ORDER NO.SM–96016

Service Manual

SUPPLEMENT–1

Colour Television

TX–28XD2E

TX–25XD2E

EURO 2 Chassis

NOTE:
THIS SUPPLEMENT SHOULD BE USED IN CONJUNCTION WITH THE TX–28XD1E/TX–25XD1E SERVICE MANUAL

Specifications

(Information in brackets {} refers to TX – 25XD2E)

Power Source :	220 – 240 V AC, 50Hz
Power Consumption :	105W {100W}
Aerial Impedance :	75Ω unbalanced, Coaxial Type
Receiving System :	PAL B/G, H PAL – 60 SECAM B/G
Receiving Channels :	VHF E2 – E12 VHF H1 – H2 (ITALY) VHF A – H (ITALY) VHF R1 – R2 VHF R3 – R5 VHF R6 – R12 UHF E21 – E69 CATV (S01 – S05) CATV S1 – S10 (M1 – M10) CATV S11 – S20 (U1 – U10) CATV S21 – S41 (HYPERBAND)
Intermediate Frequency :	
Video	38.9MHz
Sound	33.4MHz,33.16MHz 32.4MHz,33.05MHz
Colour	34.47MHz (PAL) 34.65MHz,34.5MHz (SECAM)

Video / AudioTerminals :

AUDIO MONITOR OUT	Audio (RCA x 2)	500 mV rms 1kΩ
AV1 IN	Video (21 pin)	1 Vp–p 75Ω
	Audio (21 pin)	500 mV rms 10kΩ
	RGB (21 pin)	
AV1 OUT	Video (21 pin)	1 Vp–p 75Ω
	Audio (21 pin)	500 mV rms 1kΩ
AV2 IN	Video (21 pin)	1 Vp–p 75Ω
	Audio (21 pin)	500 mV rms 10 kΩ
	S–Video IN (21 pin)	Y : 1 Vp–p 75Ω C : 0.3 Vp–p 75Ω
AV2 OUT	Video (21 pin)	1 Vp–p 75Ω
	Audio (21 pin)	500 mV rms 1kΩ
	Selectable output (21 pin)	
AV3 IN	Audio (RCA x 2)	500 mV rms 10kΩ
	Video (RCA x 1)	1 Vp–p 75Ω

High Voltage :	28.7 kV ±1kV at zero beam current
Picture Tube :	A66ECF50X12 70 cm {A59ECF50X12 63 cm}
Visible screen size:	110° deflection
Audio Output :	
Internal Speaker	2 x 20 W (Music Power) 8 Ω Impedance
Headphones	8 Ω Impedance
Accessories supplied :	Remote Control R6 (UM3) Battery
Dimensions :	Height :562mm {512mm} Width : 771mm {708mm} Depth : 482mm {455mm}
Net Weight	34kg {28.5kg}

Specifications are subject to change without notice.
Weight and dimensions shown are approximate.

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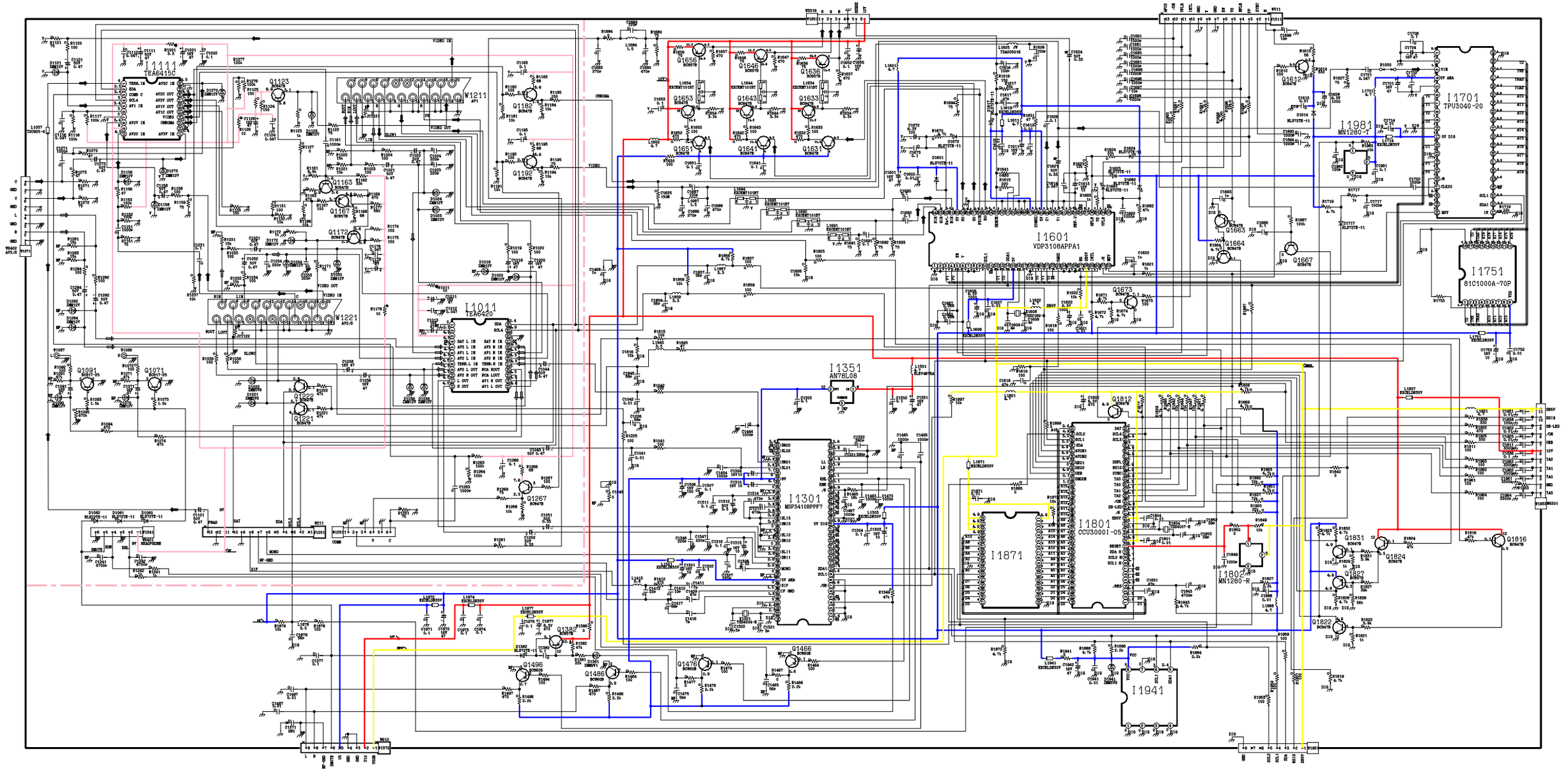
DIFFERENCES FOR TX – 28XD2E AND TX – 25XD2E

	TX – 28XD1E	TX – 28XD2E	TX – 25XD1E	TX – 25XD2E
DESCRIPTION	ORIGINAL	NEW	ORIGINAL	NEW
2) BACKCOVER ⚠	TKU8E00170	TKU8E00170–2	TKU8E00160	TKU8E00160–1
3) CABINET ⚠	TKY8E038–1	TKY8E038–4	TKY8E037–1	TKY8E037–3
4) CRT ⚠	A66EAK252X21	A66ECF50X12	A59EAK252X21	A59ECF50X12
6) DEGAUSS COIL ⚠	TLK8E05116	TLK8E05125	TLK8E05115–1	TLK8E05120–1
7) Y PCB ⚠	TNP117037AM	TNP117037AW	TNP117037AM	TNP117037AW
9) E PCB ⚠	TNP197087AL	TNP197087BL	TNP197087AL	TNP197087BK
10) A PCB ⚠	TNP117034AR	TNP117034BP	TNP117034AE	TNP117034BN
17) B/COVER LABEL	TBM8E1462	TBM8E1569	TBM8E1461	TBM8E1572
INST BOOK GERMAN ⚠	TQB8E0920A–1	TQB8E2165A	TQB8E0920A–1	TQB8E2165A
INST BOOK DUTCH ⚠	TQB8E0920B–1	TQB8E2165B	TQB8E0920B–1	TQB8E2165B
INST BOOK FRENCH ⚠	TQB8E0920D–1	TQB8E2165D	TQB8E0920D–1	TQB8E2165D
INST BOOK SPANISH ⚠	TQB8E0920E–1	TQB8E2165E	TQB8E0920E–1	TQB8E2165E
INST BOOK SWEDISH ⚠	TQB8E0920F–2	TQB8E2165F	TQB8E0920F–2	TQB8E2165F
INST BOOK NORWEGIAN ⚠	TQB8E0920G–1	TQB8E2165G	TQB8E0920G–1	TQB8E2165G
INST BOOK FINNISH ⚠	TQB8E0920H–1	TQB8E2165H	TQB8E0920H–1	TQB8E2165H
INST BOOK PORTUGUESE ⚠	TQB8E0920J–1	TQB8E2165J	TQB8E0920J–1	TQB8E2165J
INST BOOK DANISH ⚠	TQB8E0920K–1	TQB8E2165K	TQB8E0920K–1	TQB8E2165K
CARTON	TPC8E4464	TPC8E4550	TPC8E4461	TPC8E4554

COMMON PARTS FOR TX – 28XD2E AND TX – 25XD2E

CR No	DESCRIPTION	ORIGINAL	NEW
C212	CAPACITOR	ECEA1HUR22B	ECQB1H104KF3
C1045	WIRE LINK	NIL	ERJ6GEY0R00V
C1608	CAPACITOR	NIL	ECUV1H040CCX
C1609	CAPACITOR	NIL	ECUV1H040CCX
C1624	CAPACITOR	ECEA1HNR22SB	ECEA1HNR33SB
C1627	CAPACITOR	ECEA1HNR22SB	ECEA1HNR33SB
C3364	CAPACITOR	ECKR1H102KB5	NIL
C3369	CAPACITOR	ECEA1CU100B	ECEA1HM010B
C3398	CAPACITOR	NIL	ECKR1H102KB5
D590	DIODE	MTZJ39C	NIL
D591	DIODE	NIL	MTZJ39D

CR No	DESCRIPTION	ORIGINAL	NEW
D622	DIODE	MA167TA5	MA171TA5
I1301	AUDIO I.C.	MSP3400–15	MSP3400CPPC6
I1601	VIDEO I.C.	VDP3108–25	VDP3108APPA1
I1941	EAROM	ST24C08CB1	ST24C16CB1
JC1118	WIRE LINK	ERJ6GEY0R00V	NIL
L541	COIL	ELH5L421	ELH5L429
R532	RESISTOR	ERW2PKR56P	ERW2PKR47P
R1632	RESISTOR	ERJ6GEYJ391V	ERJ6GEYJ471V
R1642	RESISTOR	ERJ6GEYJ391V	ERJ6GEYJ471V
R1652	RESISTOR	ERJ6GEYJ391V	ERJ6GEYJ471V
R3146	RESISTOR	ERDS1FYJ181T	ERDS1FYJ471T


I1111
TEA6415C
I1011
TEA6420
I1351
AN78L08
I1301
MSP3410BPPP7
I1601
VDP310BAPPA1
I1801
CCU30001-05
I1871
I1941
I1981
MN1280-T
I1701
TPU3040-20
I1751
81C1000A-70P
I1807
MN1280-R
W1211
AV1
W1221
AV2/S
W211
W1041
HEADPHONE
W1370
W1371
W1372
W1373
W1374
W1375
W1376
W1377
W1378
W1379
W1380
W1381
W1382
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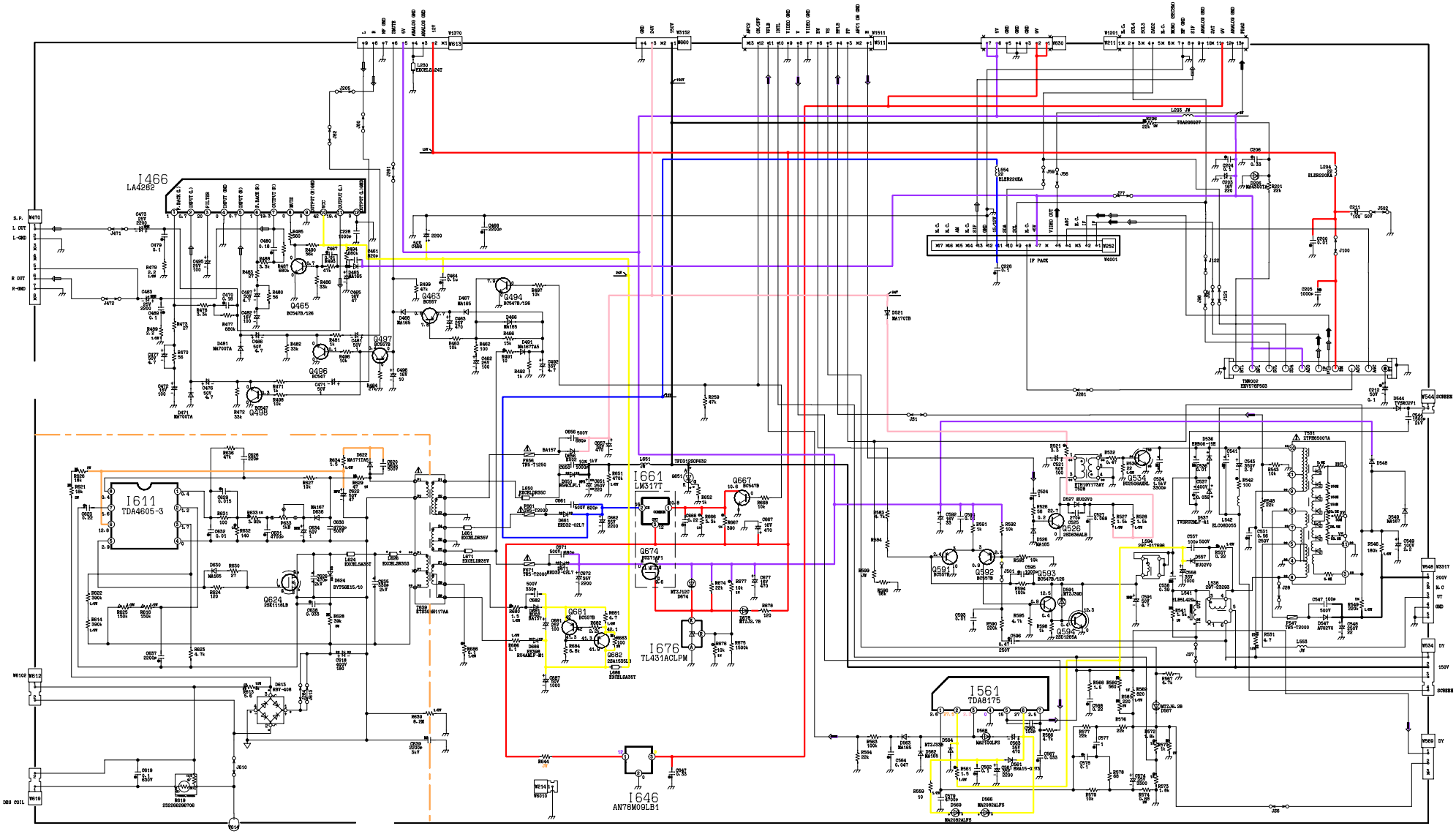
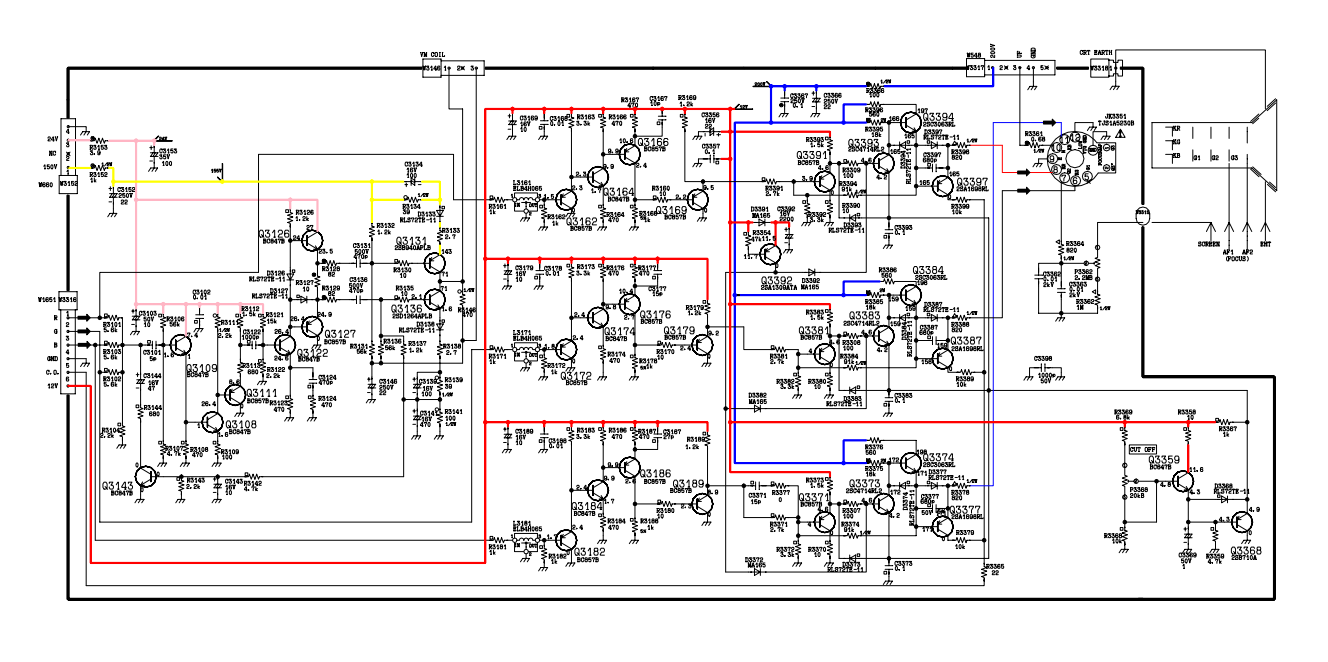

I466
LA4282
I611
TDA4605-3
I661
LM317T
I676
TL431ACLPM
I646
AN78M09LB1
I561
TDA8175
Q624
2SK1118LB
Q681
Q682
2SA1535LS
Q674
Q667
Q591
Q592
Q593
Q594
Q526
Q534
Q465
Q463
Q494
Q497
Q496
Q495
S.P.
L OUT
L-GND
R OUT
R-GND
SCREEN
DY
DEG COIL



ORDER NO. SM–95022

Service Manual

Colour Television

TX–28XD1E

TX–25XD1E

EURO–2 Chassis

Specifications

(Information in brackets {} refers to TX – 25XD1E)

Power Source : 220 – 240 V AC, 50Hz

Power Consumption : 105W {100W}

Aerial Impedance : 75Ω unbalanced, Coaxial Type

Receiving System : PAL B/G PAL – 60
SECAM B/G

Receiving Channels :

VHF	E2 – E12
VHF	H1 – H2 (ITALY)
VHF	A – H (ITALY)
VHF	R1 – R2
VHF	R3 – R5
VHF	R6 – R12
UHF	E21 – E69
CATV	(S01 – S05)
CATV	S1 – S10 (M1 – M10)
CATV	S11 – S20 (U1 – U10)
CATV	S21 – 41 (HYPERBAND)

Intermediate Frequency :

Video	38.9MHz
Sound	33.4MHz, 33.16MHz, 33.05MHz
Colour	34.5MHz, 34.65MHz

Video / Audio Terminals :

AV1 IN	Video	(21 pin) 1 Vp–p 75Ω
	Audio	(21 pin) 500 mV rms 10kΩ
	RGB	(21 pin)
AV1 OUT	Video	(21 pin) 1 Vp–p 75Ω
	Audio	(21 pin) 500 mV rms 1kΩ
AV2 IN	Video	(21 pin) 1 Vp–p 75Ω
	Audio	(21 pin) 500 mV rms 10 kΩ
	S–Video IN	Y : 1 Vp–p 75Ω
	(21 pin)	C : 0.3 Vp–p 75Ω
AV2 OUT	Video	(21 pin) 1 Vp–p 75Ω
	Audio	(21 pin) 500 mV rms 1kΩ
	Selectable output	(21 pin)
AV3 IN	S–Video IN	Y : 1 Vp–p 75Ω
	(4–pin)	C : 0.3 Vp–p 75Ω
	Audio	(RCA x 2) 500 mV rms 10kΩ
	Video	(RCA x 1) 1 Vp–p 75Ω

High Voltage : 29 kV ±0.7kV at zero beam current

Picture Tube : A66EAK252X21 70 cm
{A59EAK252X21 63 cm}
110° deflection

Audio Output :

Internal Speaker	2 x 20 W (Music Power)
	4–8 Ω Impedance
Headphones	1 x 8 Ω Impedance

Accessories supplied : Remote Control
R6 (UM3) Battery

Dimensions :

Height :	562mm	{512mm}
Width :	771mm	{708mm}
Depth :	482mm	{455mm}

Net Weight 34kg {28.5kg}

Specifications are subject to change without notice.
Weight and dimensions shown are approximate.

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SAFETY PRECAUTIONS

General Guide Lines

1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.
2. When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R–C combinations are correctly installed.
4. When the receiver is not being used for a long period of time, unplug the power cord from the AC outlet.
5. Potentials as high as 29.7kV are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture to the chassis before handling the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs of the plug.
2. Turn on the receiver's power switch.
3. Measure the resistance value with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials , connectors, control shafts etc. When the exposed metallic part has a return path to the chassis the reading should be between 4M ohm and 20M ohm. When the exposed metal does not have a return path to the chassis the reading must be infinite.

LEAKAGE CURRENT HOT CHECK

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 2kΩ 10W resistor in series with an exposed metallic part on the receiver and an earth such as a water pipe.
3. Use an AC voltmeter with high impedance to measure the potential across the resistor.
4. Check each exposed Metallic part and check the voltage at each point.
5. Reverse the AC plug at the outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 1.4 Vrms. In case a measurement is outside the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

HOT CHECK CIRCUIT

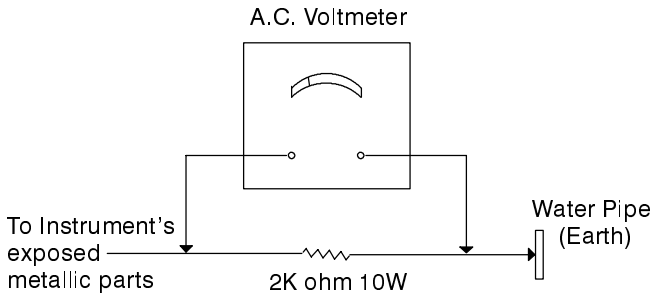


Fig.1

X–RADIATION WARNING

1. The potential sources of X–Radiation in TV sets are the high voltage section and the picture tube.
2. When using a picture tube test jig for service ensure that the jig is capable of handling 29.7kV without causing X–Radiation.

NOTE : It is important to use an accurate periodically calibrated high voltage meter

1. Set the brightness to minimum.
2. Measure the high voltage. The meter should indicate 29kV ±0.7kV if the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
3. To prevent any X–Radiation possibility, it is essential to use the specified tube.

1. Potentielle Quellen von Röntgenstrahlung in Fernsehgeräten sind das Hochspannungsteil und die Bildröhre.
2. Bei Verwendung eines Bildröhren–Prüfgerätes für den Service ist sicherzustellen, daß es für die Belastung von 29.7kV geeignet ist, ohne daß eine Röntgenstrahlung verursacht wird.

Location Of Controls

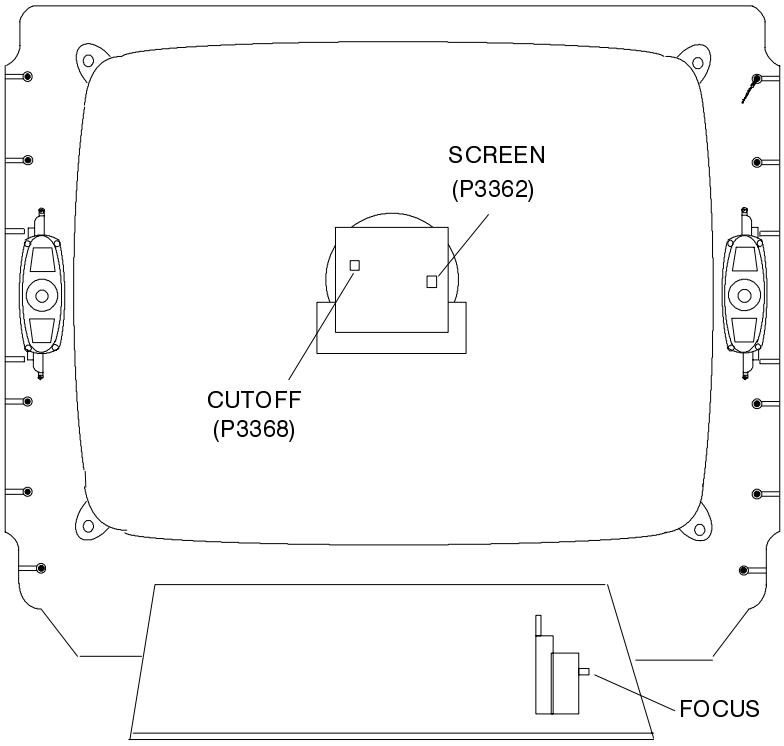


Fig.2

SERVICE HINTS

How to remove the rear cover

1. Remove the 7 screws (A) as shown in Fig.3/Fig.4.

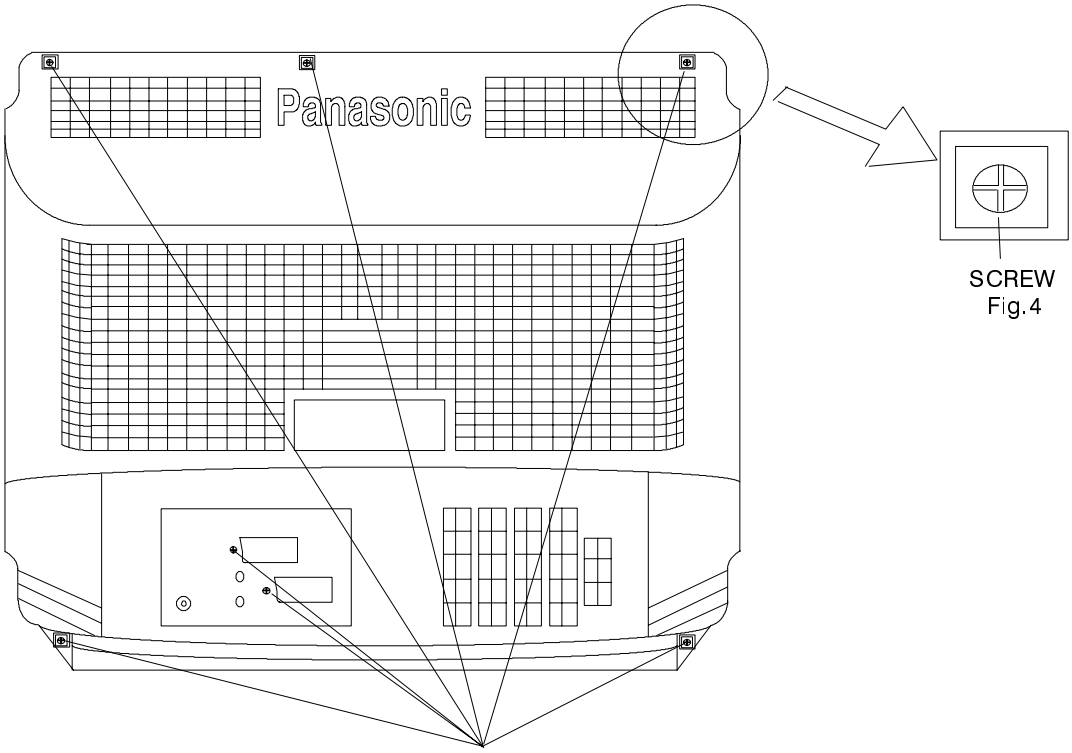


Fig.4

Fig.3. SCREWS (A)

HOW TO REMOVE THE CONTROL PANEL (M–BOARD)

1. Remove the E–board from the cabinet with the M–board attached.
2. Unclip by lifting the front of the M–board vertically.
3. After servicing ensure all wiring is returned to its original position before returning the receiver to the customer.

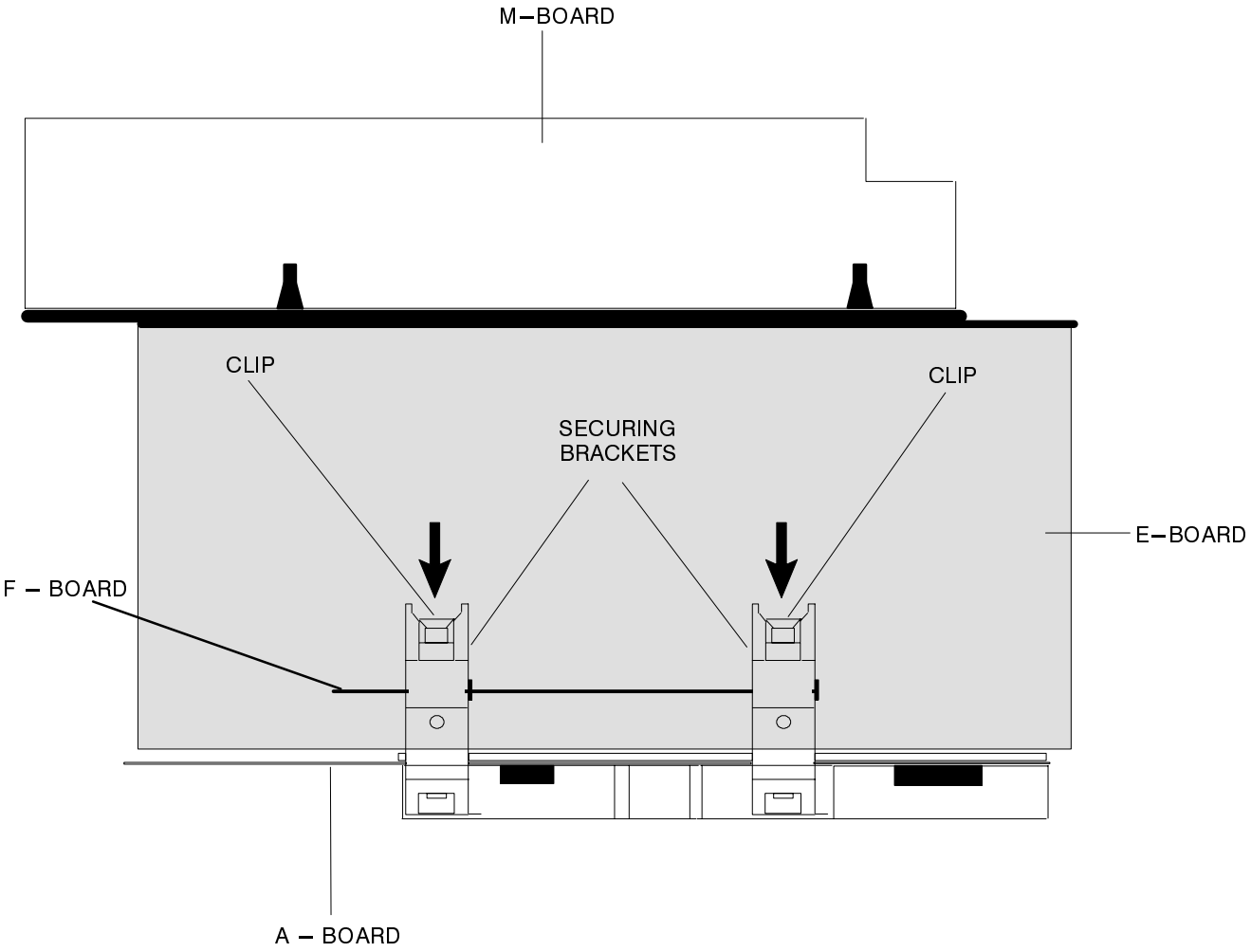


Fig.5

HOW TO REMOVE THE A – BOARD

1. Disconnect the 4 leads from the A – board.
2. Release the A and F boards securing brackets by pushing the clips in the direction shown in Fig.5, and remove the A – board by gently lifting vertically.
3. After servicing ensure all wiring is returned to its original position before returning the receiver to the customer.

Service position for the A−Board

1. Remove the A−board from the main chassis (E−board)
2. Carefully unclip the three metal clips marked B in Fig.6.
3. Unclip the front metal cover (fig.7) and remove from the A−board.
4. Fit the extension leads to the A−board making sure that the A−board does not touch the E−board (fig.8/9).
5. After servicing ensure all wiring is returned to its original position before returning the receiver to the customer.
   Note : The extension lead wire kit is supplied as a service kit. (Part number TZS4EP001).

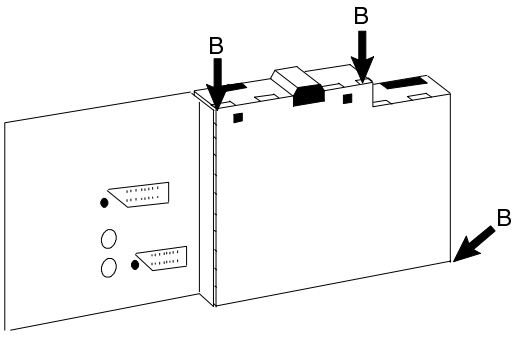


Fig. 6

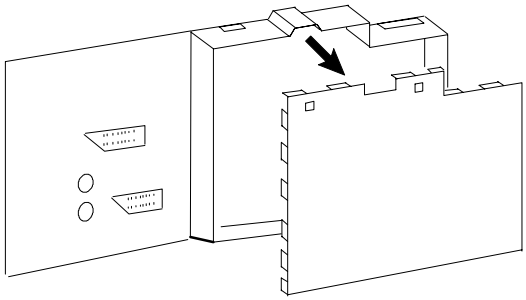


Fig. 7

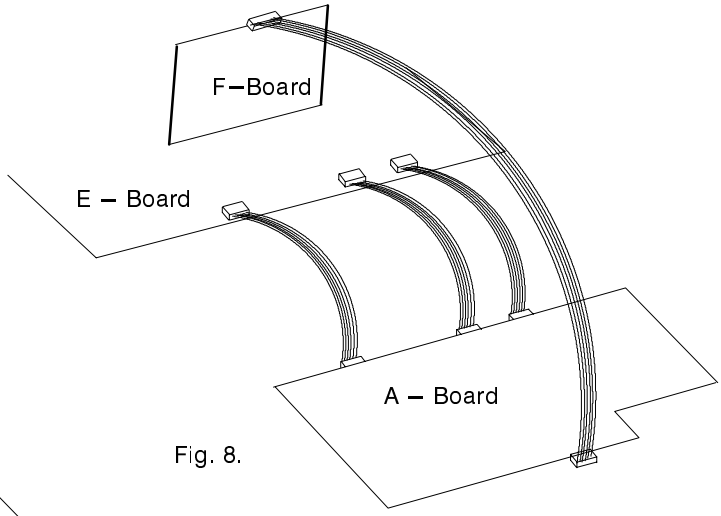


Fig. 8.

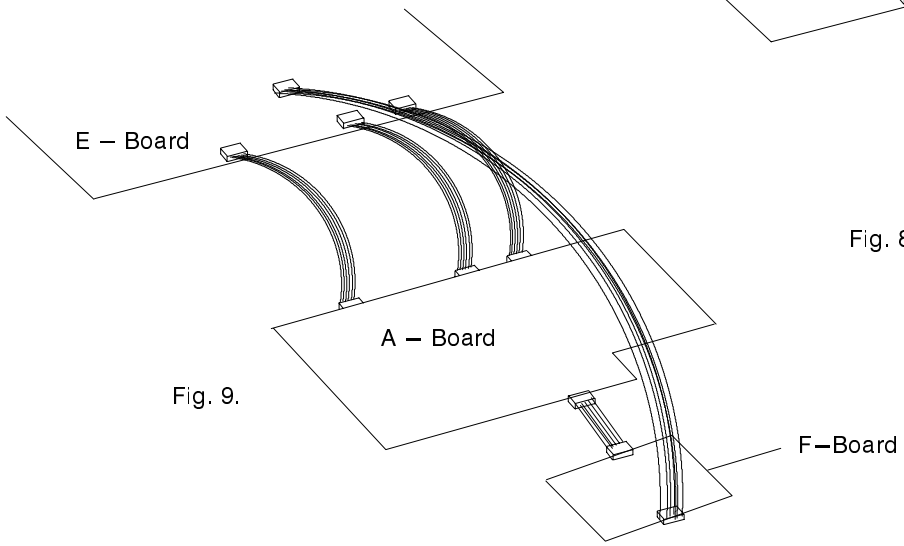


Fig. 9.

How to move the chassis into the Service position

1. Release the M – PCB as explained on page 4
2. Turn the chassis through 90°, anti–clockwise, as shown in fig.10 and Fig.11.
3. Clip the chassis onto the Bead clamper as shown in fig.11 and fig.12.
4. After servicing ensure all wiring is returned to its original position before returning the receiver to the customer

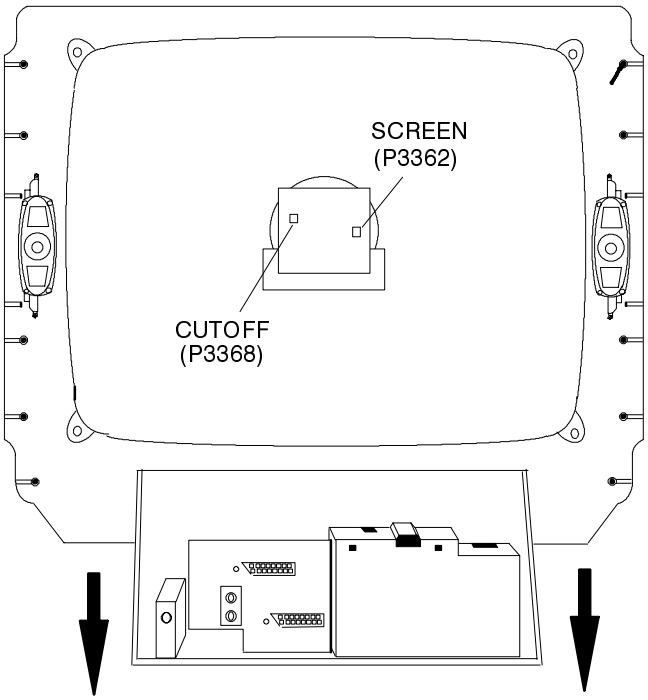


Fig.10.

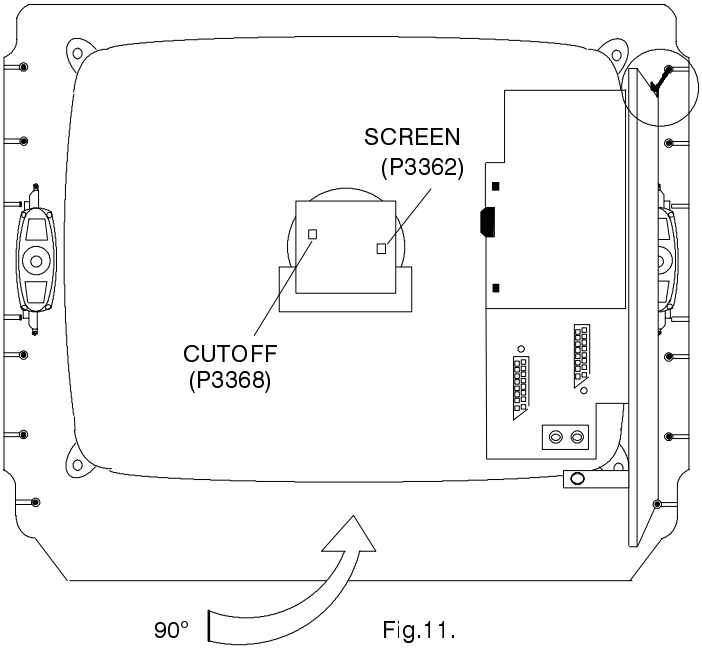


Fig.11.

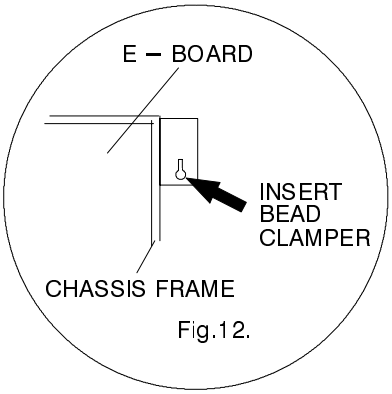


Fig.12.

Adjustment Procedure

Adjustment	Signal	Conditions	Adjustments	Settings/Special features
Operating voltage	Test pattern	230 V – beam current 0	Adjust P633	Measure Cathode D651 so a Voltmeter shows +147V ± 0.5
Focus	Test pattern		Focus at line transformer	Optimum setting
RF AGC	Standard colour bar signal	Place an oscilloscope on tuner AGC	Adjust P4701 clockwise	Slowly turn P4701 anti–clockwise, set P4701 where the RF AGC voltage drops by 0.2V from maximum.

The remote control is used for entering and storing adjustments, with the exception of cut–off adjustments which must always be done prior to service adjustment. Perform adjustments in accordance with screen display. The display on the screen also specifies the CCU variants as well as the approx. setting values. The adjustment sequence for the service mode is indicated below.gehäuses ein hängen

1. Set the Bass to maximum position, set the Treble to minimum position, press the F button followed by the volume down button on the customer controls at the front of the TV and at the same time press the Reveal button on the remote control, this will place the TV into the Service Mode.
2. Press the RED / GREEN buttons to step up / down through the functions.
3. Press the YELLOW / BLUE buttons to alter the function values.
4. Press the STORE button after each adjustment has been made to store the required values.
5. To exit the Service Mode press the Normalisation button..

NOTE: This TV also has the option of using a Memory Pack which enables you to copy the preset TV channels into the Memory Pack and then download them onto this or any other EURO–2S TV set.

TV to Memory Pack process

1. Plug the memory pack into the lower of the two 21 pin terminals at the back of the TV and switch the TV on. If the TV has only one 21 pin connector then this will be able to accept the memory pack.
2. Go into the Service Mode as explained above. The screen will show:–

   Program
   External>>TV
3. Press the blue button on the remote control. The screen will show:–

   Program
   TV>>External
4. Press the STORE button on the TV. The screen will show:–

   Storing
5. All the tuning information stored inside the TV will now be transferred to the Memory Pack. This process will take 2–3 minutes to complete and when finished the screen will show:–

   OK!

Memory Pack to TV Process

1. Plug the memory pack into the lower of the two 21 pin terminals at the back of the TV and switch the TV on. If the TV has only one 21 pin connector then this will be able to accept the memory pack.
2. Go into the Service Mode as explained above. The screen will show:–

   Program
   External>>TV
3. Press the STORE button on the TV. The screen will show:–

   Loading
4. All the tuning information stored inside the Memory Pack will now be transferred to the TV. This process will take 2–3 minutes to complete and when finished the screen will show:–

   OK!
5. The tuning information from the Memory Pack has now been copied into the TV
6. To exit from the Service Mode press the Normalisation button.
7. The process has now been completed and the Memory Pack can now be removed.

Errors

If an error occurs while using the Memory Pack the TV will detect this and the screen will show:–

Program
Error!

If this happens then press the Normalisation button and repeat the process that was being used. If the errors continue to occur then check the connectors between the TV and the memory pack and check the 9V battery inside the memory pack.

Alignment Settings (The figures used below are nominal and used for representative purposes only)

Alignment Function	TX–28XD1E	TX–25XD1E	Settings / Special features
1. Vertical amplitude	V–AMP 051	V–AMP 063	Optimum setting
2. Vertical symmetry	V–SYM 013	V–SYM 002	
3. Vertical linearity	V–LIN 012	V–LIN –020	
4. Vert. DC.	Vert. D.C.. 000	Vert. D.C. 000	Not to be adjusted.
5. V–Pos.	V. Pos. 003	V. Pos 005	Optimum setting
6. Horizontal amplitude	H–AMP –033	H–AMP –044	Optimum setting
7. Horizontal position	H–POS 049	H–POS 542	
8. Text Position	TEXT POSITION 045	TEXT POSITION 049	Optimum setting
9. EW–amplitude	E–W–AMP 1 –058	E–W–AMP 1 –059	Optimum setting
10. EW–amplitude	E–W–AMP 2 023	E–W–AMP 2 044	Optimum setting
11. Trapezium–comp	TRAPEZ–1 –014	TRAPEZ–1 000	Optimum setting
12. Trapezium– comp	TRAPEZ–2 012	TRAPEZ–2 –009	Optimum setting
13. Colour VCO	Colour VCO 015	Colour VCO 006	Press either Blue or Yellow buttons to effect automatic adjustment
14. Cut–off DC	Cut–off DC 050	Cut–off DC 050	Not to be adjusted.
15. Ug2 Test	Ug 2 Test: 107 021 023	Ug 2 Test: 094 044 020	To adjust the screen settings. Turn P3362 until a colour reaches 25 ± 5, place an oscilloscope probe on the cathode with the highest output and adjust P3368 so the oscilloscope trace reads 170V 0–peak then turn P3362 up so the highest numbered box on the TV screen reads 050 ± 010.
16. Cutoff	Cutoff: 045 055 050	Cutoff: 057 064 056	Press the GREEN button to step through the settings. Adjust for optimum.
17. White	White: 224 255 237	White: 200 255 246	Press the GREEN button to step through the settings. Adjust for optimum.

SELF CHECK

Self check is used to automatically check the Bus Lines and Hexadecimal code of the TV set.
To get into the Self Check mode press the F button followed by the volume down button on the customer controls at the front of the TV at the same time pressing the Status button, on the Remote Control, and the screen will show:–

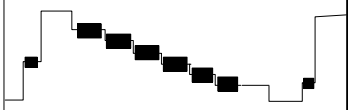
1	—	ok	Tuner	11	— – –	Dolby IC for C/R
2	—	ok	VIF	12	—	ok	P S MODE
3	—	ok	EEPROM	13	—	ok	P TA0
4	—	ok	Sound AV switch1	14	—	ok	P TA1
5	—	ok	Video AV switch1	15	—	ok	P TA2
6	—	ok	VDP	16	—	ok	P TA3
7	—	ok	TPU	17	—	ok	P SDA
8	—	ok	MSP	18	—	ok	P SCL1
9	—	– –	Dolby Sub	19	—	ok	P SCL3
10	—	– –	Dolby IC for L/R	20	—	ok	P SCL4

If the CCU ports have been checked and found to be incorrect then "––" will appear in place of "OK".

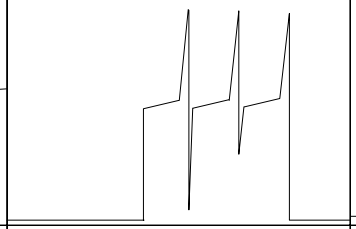
				Hex codes
21	—	ok	P SBLED	7A
22	—	ok	P OFF	20
23	—	ok	P DEFL	E2
24	—	ok	P RAM	54
				84

WAVEFORM PATTERN TABLE

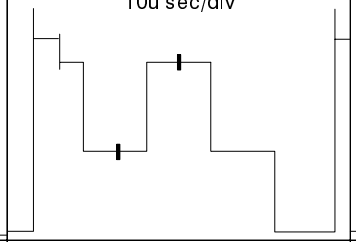
PIN 42 I1601
10u sec/div



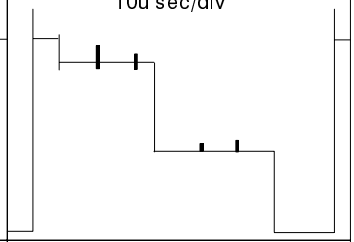
PIN 5 W1651
50u sec/div



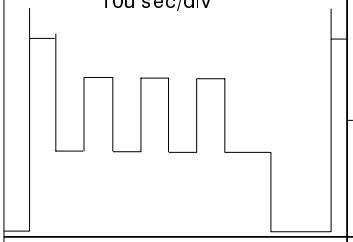
PIN 1 W1651
10u sec/div



PIN 2 W1651
10u sec/div

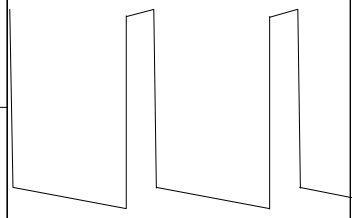


PIN 3 W1651
10u sec/div

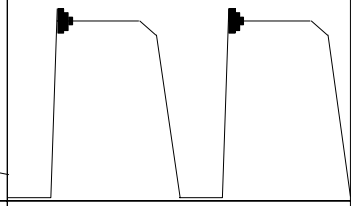


PIN 44 I1601
10u sec/div

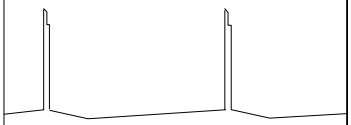
PIN 5 I611
2u sec/div



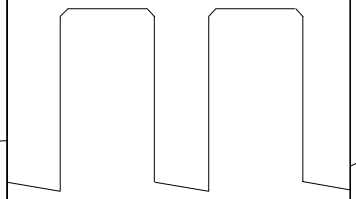
PIN 7 T639
5u sec/div



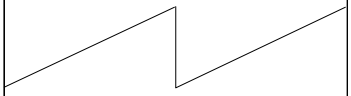
PIN 6 I561
5m sec/div



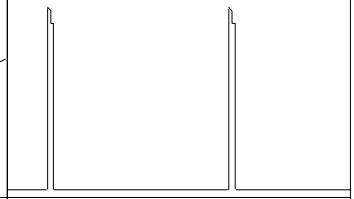
PIN 8 I611
5u sec/div



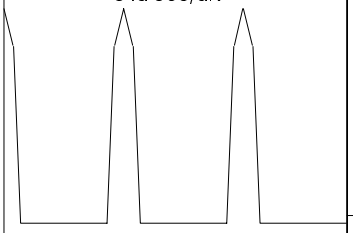
PIN 6 W511
5m sec/div



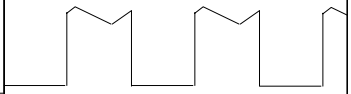
PIN 3 W511
5m sec/div



COLLECTOR Q534
64u sec/div

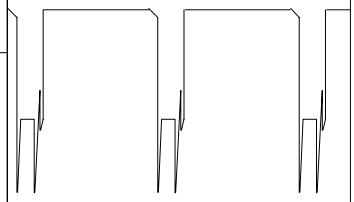


PIN 13 W511
20u sec/div

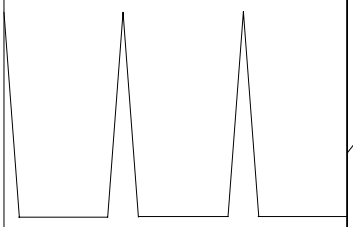


PIN 8 W511
5m sec/div

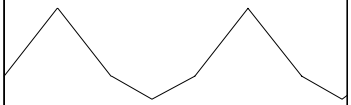
BASE Q543
20u sec/div



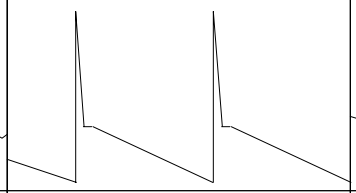
PIN 10 W511
64u sec/div



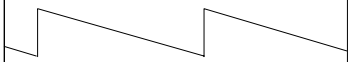
COLLECTOR Q594
5m sec/div



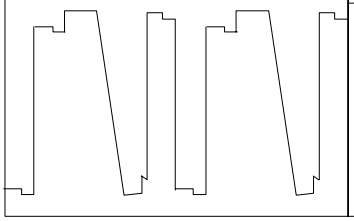
PIN 5 I561
5m sec/div



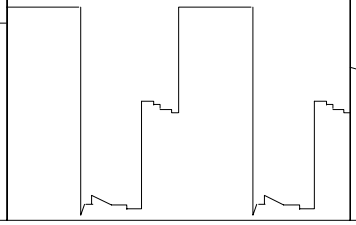
PIN 1 I561
5m sec/div



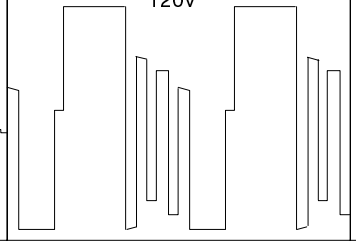
RED DRIVE
80v



GREEN DRIVE
100v



BLUE DRIVE
120v



SCHEMATIC DIAGRAM FOR MODELS TX−28/25XD1E (EURO−2S CHASSIS)

IMPORTANT SAFETY NOTICE

Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Notes

1. RESISTOR
   All resistors are carbon ¼W resistor, unless marked.Unit of resistance is OHM (Ω) (K=1,000, M=1,000,000).
2. CAPACITOR
   All capacitors are ceramic 50V capacitors, unless marked, the unit of capacitance is μF unless otherwise stated.
3. COIL
   Unit of inductance is μH, unless otherwise stated.
4. TEST POINT
   :Test Point position
5. EARTH SYMBOL
   :Chassis Earth (Cold)
   :Line Earth (Hot)
6. VOLTAGE MEASUREMENT
   Voltage is measured by a DC voltmeter.
   Measurement conditions are as follows:

Power source	AC 220−240V, 50Hz
Receiving Signal	Colour Bar signal (RF)
All customer controls	Maximum position

7. :Indicates the Video signal path
   :Indicates the Audio signal path
   :Indicates the Vertical/Horizontal signal path
8. This schematic diagram is the latest at the time of printing and is subject to change without notice.

Precautions

a. Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.

b. Do not short−circuit the hot and cold circuits as electrical components may be damaged.

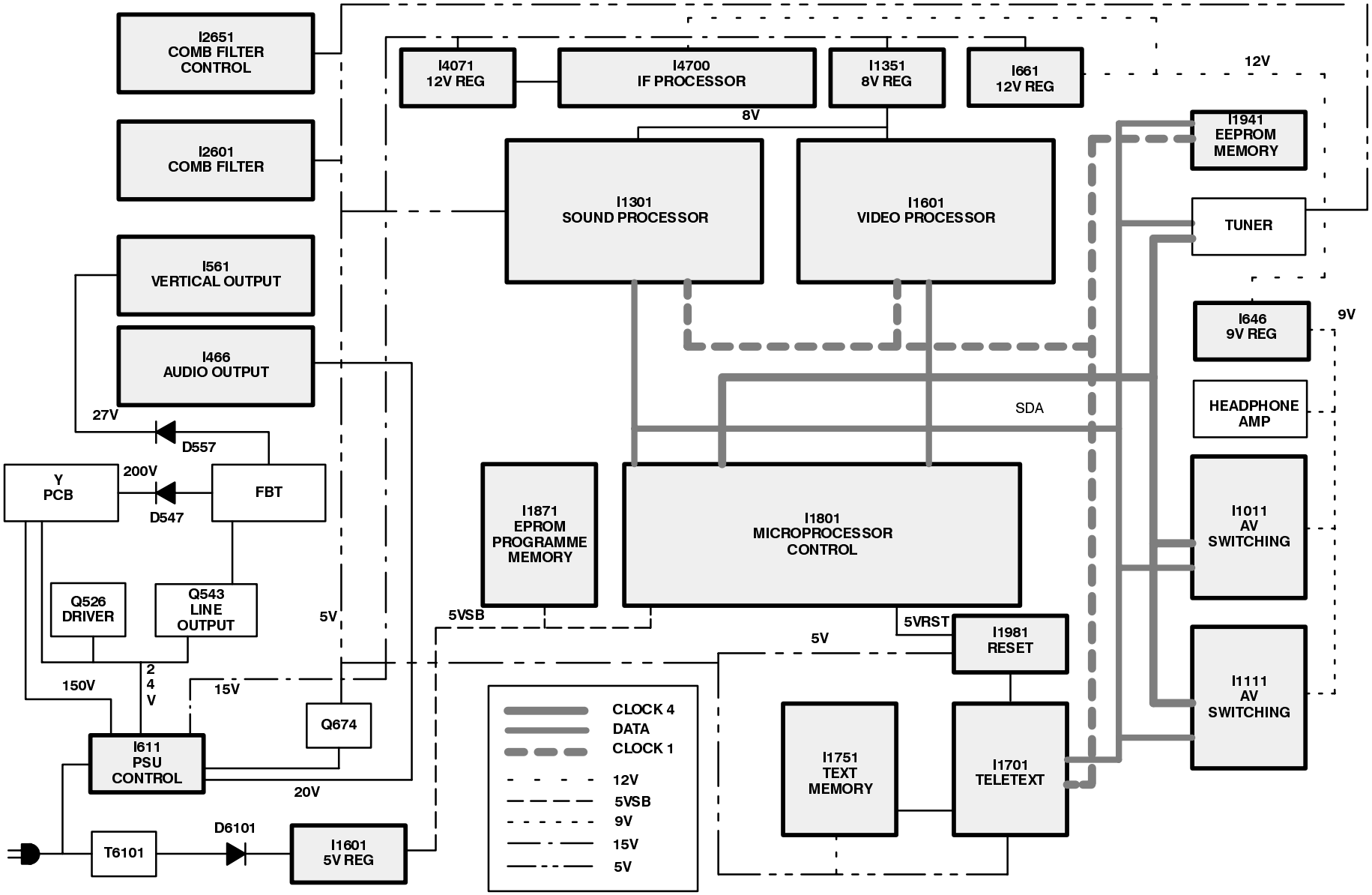
c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously, as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.

d. Make sure to disconnect the power plug before removing the chassis.

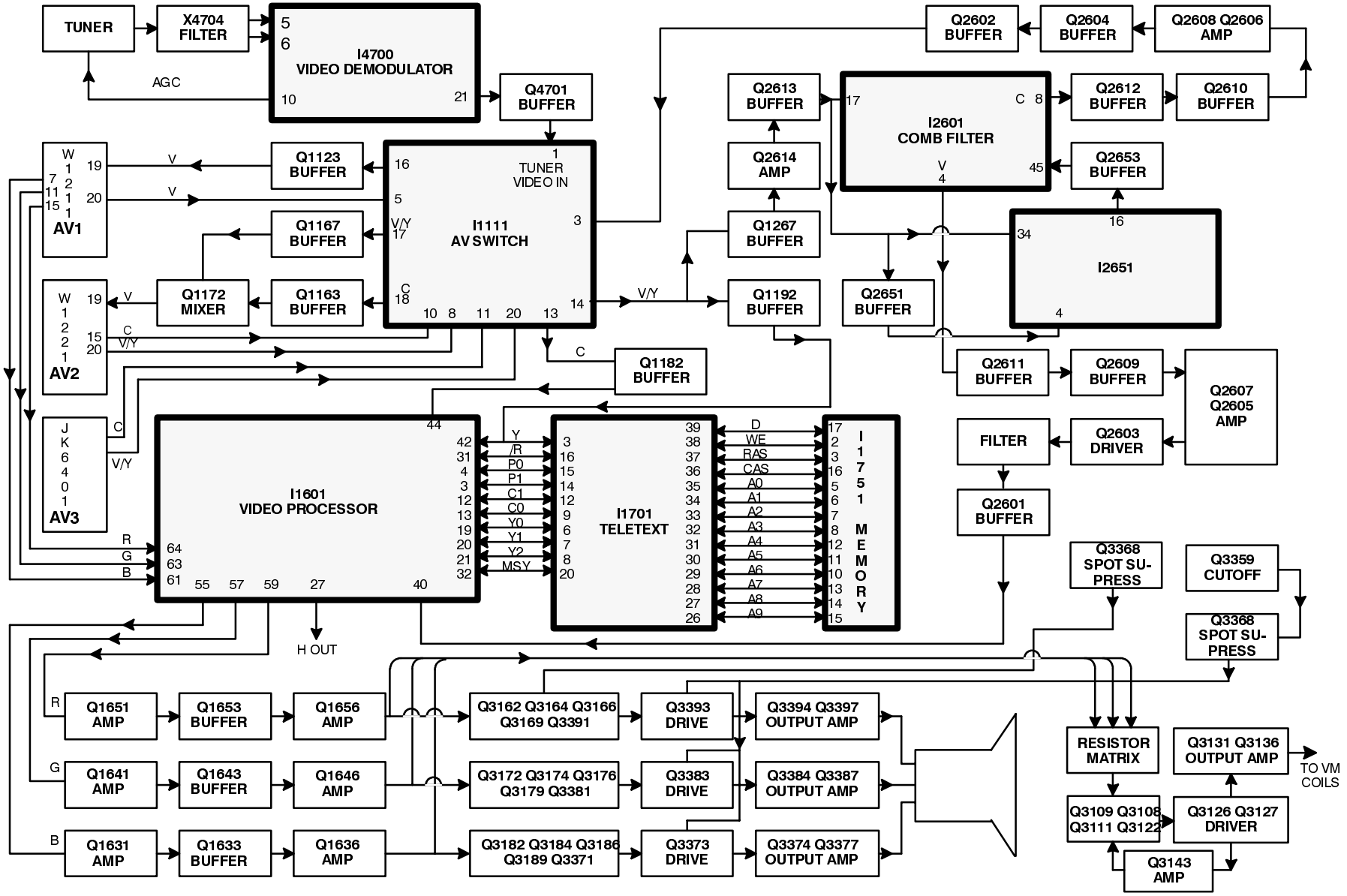
Remarks

9. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.

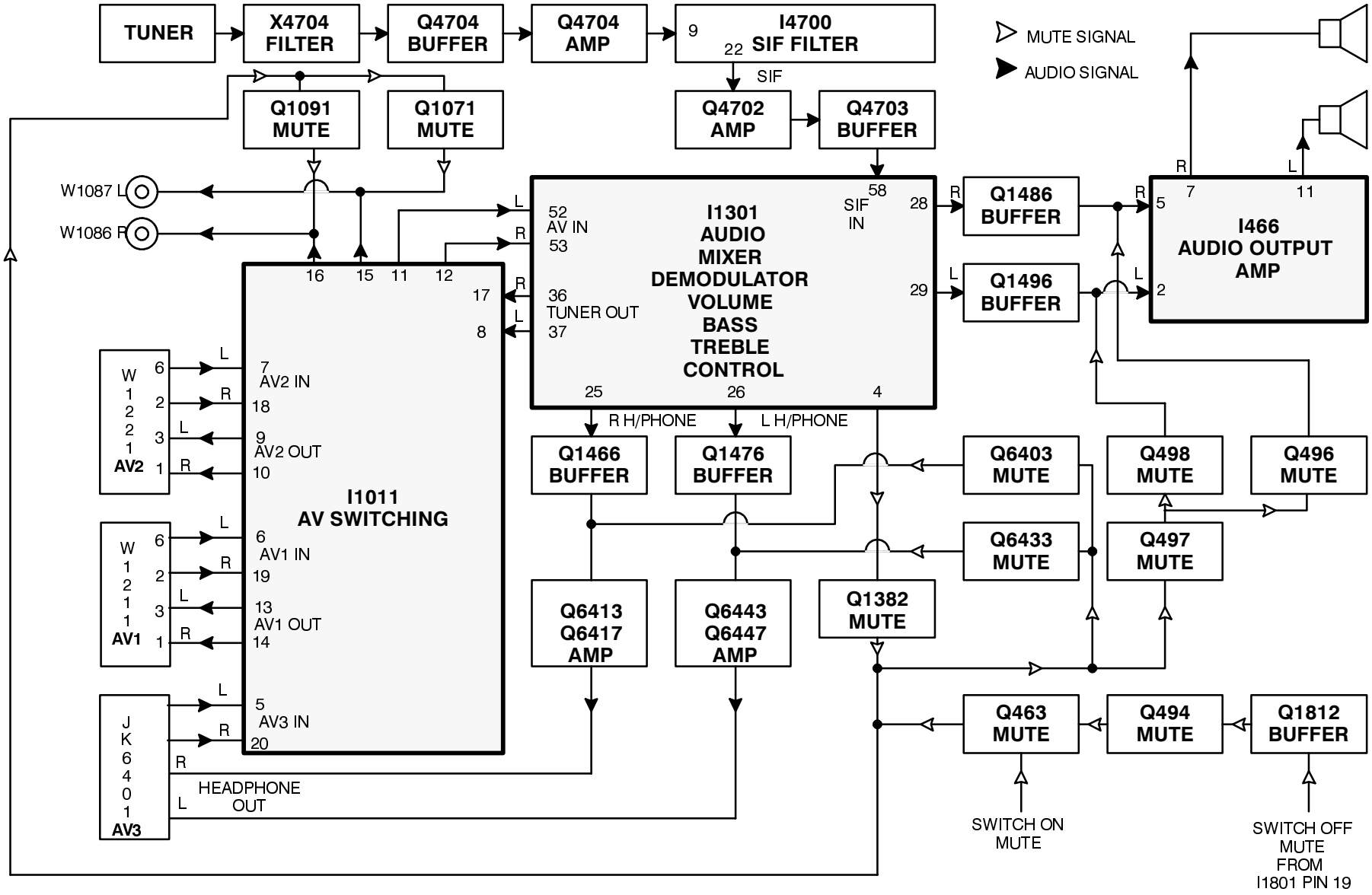
POWER SUPPLY AND CONTROL BLOCK DIAGRAM



VIDEO BLOCK DIAGRAM

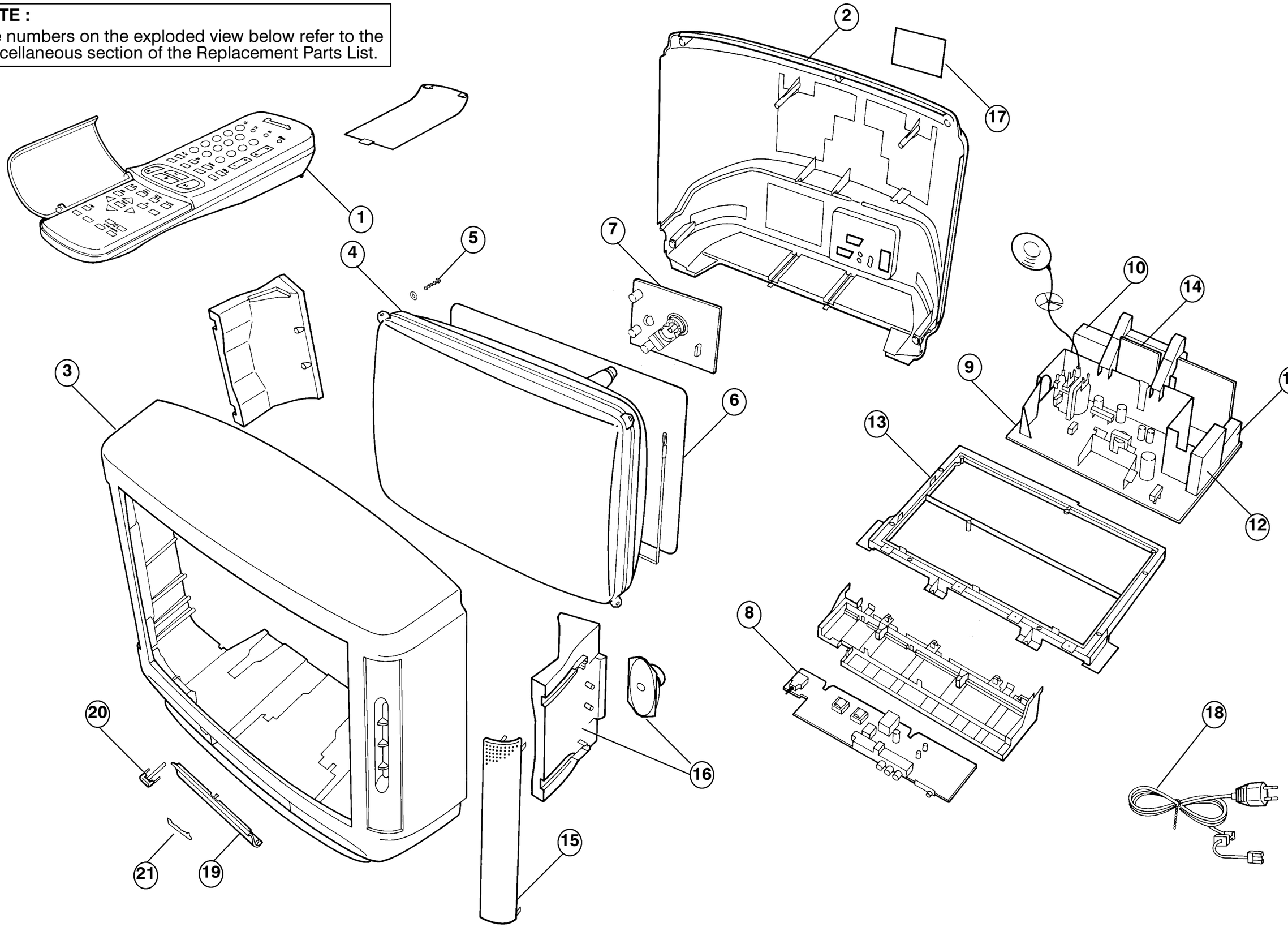


AUDIO BLOCK DIAGRAM



PARTS LOCATION

NOTE :
The numbers on the exploded view below refer to the miscellaneous section of the Replacement Parts List.



REPLACEMENT PARTS LIST

Important Safety Notice
Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

Ref No.	Part No.	Description	
MISCELLANEOUS COMPONENTS			
1)	EUR51920	REMOTE CONTROL	
2)	*********	SEE DIFFERENCE LIST	
3)	*********	SEE DIFFERENCE LIST	
4)	*********	SEE DIFFERENCE LIST	
5)	VP17005–32	SCREW	
6)	*********	SEE DIFFERENCE LIST	
7)	TNP117037AM	Y P.C.B.	⚠
8)	TNP8EM011	M P.C.B.	⚠
9)	TNP197087AL	E P.C.B.	⚠
10)	*********	SEE DIFFERENCE LIST	
11)	ENV578F5G3	TUNER	⚠
12)	TNP117039AC	B P.C.B.	⚠
13)	TMX8E005	CHASSIS FRAME	
14)	TNP117035AB	F P.C.B.	⚠
15)	*********	SEE DIFFERENCE LIST	
16)	EAG1216A2	SPEAKER	
17)	*********	SEE DIFFERENCE LIST	
18)	TSX8E0020	POWER CORD	⚠
19)	TKP8E1122	LID	
20)	TBX8E025	POWER BUTTON	
21)	TBM153022	PANASONIC BADGE	
	TBM8E1410	PRESET PANEL	
	TBM8E1486	INDICATION SHEET	
	TEK6935	LID SWITCH	
	TKK8E023	BRACKET	
	TKP8E1120	LED PANEL	
	TMW8E016–1	CONTRO BLOCK FRAME	
	TMW8E018	LED HOLDER	
	VP17101HIP	FIXING BUSH	
	TNA10804	VIF PACK	
	TPD8E562	CUSHION	
	TQB8E0920A	GERMAN INST BOOK	⚠
	TQB8E0920B	DUTCH INST BOOK	⚠
	TQB8E0920D	FRENCH INST BOOK	⚠
	TQB8E0920E	SPANISH INST BOOK	⚠
	TQB8E0920F	SWEDISH INST BOOK	⚠
	TQB8E0920G	NORWEGIAN INST BOOK	⚠
	TQB8E0920H	SUOMI INST BOOK	⚠
	TQB8E0920J	PORTUGUESE INST BOOK	⚠
	TQB8E0920K	DANISH INST BOOK	⚠
	UM–3DEP–2P	BATTERY	
LINKS			
BC1	ERJ6GEY0R00	WIRE LINK	
BC2	ERJ6GEY0R00	WIRE LINK	
BC4	ERJ6GEY0R00	WIRE LINK	
BC5	ERJ6GEY0R00	WIRE LINK	
B11	ERJ6GEY0R00	WIRE LINK	
B12	ERJ6GEY0R00	WIRE LINK	
B15	ERJ6GEY0R00	WIRE LINK	
B16	ERJ6GEY0R00	WIRE LINK	
B17	ERJ6GEY0R00	WIRE LINK	
B18	ERJ6GEY0R00	WIRE LINK	
B19	ERJ6GEY0R00	WIRE LINK	

Ref No.	Part No.	Description			
CAPACITORS					
C200	ECBT1E103ZF5	CERAMIC	25V	0pF	
C203	ECEA1CU221	ELECT	16V	220μF	
C204	ECQB1H104J	FILM	50V	100nF	
C205	ECBT1H102KB3	CERAMIC	50V	1nF	
C206	222236516334	FILM	160V	330nF	
C211	ECEA1HFQ101	ELECT	50V	100μF	
C212	ECA1HMR22GB	ELECT	50V	0.22μF	
C226	ECQB1H104J	FILM	50V	100nF	
C228	ECKC1H102J	CERAMIC	50V	1000pF	
C461	ECKC1H821J	CERAMIC	50V	820pF	
C462	ECEA1EU101	ELECT	25V	100μF	
C463	ECA1EM471GB	ELECT	25V	470pF	
C464	ECQM1H104J	FILM	50V	100nF	
C465	ECEA1CU470	ELECT	16V	47μF	
C466	ECEA1HU222	ELECT	50V	2200μF	
C467	ECQB1H103J	FILM	50V	10nF	
C468	ECBT1C222MR3	CERAMIC	16V	MR3μF	
C470	222236516184	FILM	160V	180nF	
C471	ECEA1HU010	ELECT	50V	1μF	
C472	ECEA1CU101	ELECT	16V	100μF	
C473	ECEA1EGE222	ELECT	25V	2200μF	
C476	ECEA1HU4R7	ELECT	50V	4.7μF	
C477	ECEA1HU4R7	ELECT	50V	4.7μF	
C479	222236576104	FILM	760V	100nF	
C480	222236516184	FILM	160V	180nF	
C481	ECEA1HU010	ELECT	50V	1μF	
C482	ECEA1CU101	ELECT	16V	100μF	
C483	ECEA1EGE222	ELECT	25V	2200μF	
C486	ECEA1HU4R7	ELECT	50V	4.7μF	
C487	ECEA1HU4R7	ELECT	50V	4.7μF	
C489	222236576104	FILM	760V	100nF	
C492	ECA1VM4R7GB	ELECT	35V	4.7μF	
C495	ECEA1EU101	ELECT	25V	100μF	
C496	ECEA1CU100	ELECT	16V	10μF	
C521	ECEA1HU101	ELECT	50V	100μF	
C524	222236516105	FILM	160V	1μF	
C525	ECKC1H271J	CERAMIC	50V	270pF	
C527	ECQM2683JZ	FILM	250V	68nF	
C531	ECQM2564KZ	FILM	250V	560nF	
C534	ECWH15H332J	FILM	1500V	3300μF	
C536	ECWH12H103J	FILM	1250V	10nF	⚠
C537	ECQF4393JZH	FILM	400V	0.039μF	
C538	ECWF2H394JZ	CERAMIC	500V	390nF	⚠
C541	ECWF2H105J	FILM	500V	1000nF	⚠
C543	ECEA2VU2R2	ELECT	350V	2.2μF	
C544	ECKC3D152J	CERAMIC	2KV	1.5nF	⚠
C547	ECKC2H101J	CERAMIC	500V	100pF	⚠
C548	ECEA2EU220	ELECT	250V	22μF	
C549	ECEA2AU2R2	ELECT	100V	2.2μF	
C557	ECKC2H101J	CERAMIC	500V	100pF	⚠
C558	ECA1VM102GB	ELECT	35V	1nF	
C561	ECEA1VU222	ELECT	35V	2200μF	
C562	222236576104	FILM	760V	100nF	
C563	ECA1VM471GB	ELECT	35V	470pF	
C564	ECQB1H473K	FILM	50V	47nF	
C565	ECKC2H151J	CERAMIC	500V	150pF	⚠
C567	ECQB1H333J	FILM	50V	33nF	
C568	222236516224	FILM	160V	220nF	
C574	ECEA1VU332	ELECT	35V	3300μF	

Ref No.	Part No.	Description			
C577	222236516105	FILM	160V	1μF	
C578	222236576104	FILM	760V	100nF	
C579	ECKC1H472J	CERAMIC	50V	4.7nF	
C591	ECEA1HGE4R7	ELECT	50V	4.7μF	
C592	ECA1CM330GB	ELECT	16V	33pF	
C593	ECKC1H103JB	CERAMIC	50V	10nF	
C594	ECKC1H103JB	CERAMIC	50V	10nF	
C595	ECQB1H102J	FILM	50V	1nF	
C596	ECQE2474KFW	FILM	200V	470nF	
C618	ECOS2GG181NG	ELECT	400V	180μF	⚠
C619	ECQE6104K	FILM	600V	100nF	⚠
C620	ECKC2H561J	CERAMIC	500V	560pF	⚠
C622	ECEA1HFS470	ELECT	50V	47μF	
C623	222236516224	FILM	160V	220nF	
C626	ECKC3D471JB	CERAMIC	2KV	470pF	⚠
C628	ECKC1H221J	CERAMIC	50V	220pF	
C629	ECQB1H153K	FILM	50V	15nF	
C631	ECQB1H472J	FILM	50V	4.7nF	
C632	ECQB1H103J	FILM	50V	10nF	
C634	ECEA1HGE010	ELECT	50V	1μF	
C635	ECKC3D331J	CERAMIC	2KV	330pF	⚠
C636	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C637	ECQB1H222J	FILM	50V	2200pF	
C638	ECQF6333JZH	FILM	600V	0.033μF	
C639	ECKCWS222MEJ	CERAMIC	400V	2200pF	
C647	222236516334	FILM	160V	330nF	
C650	ECKC3A102J	CERAMIC	1KV	1nF	⚠
C651	ECOS2EA221AB	ELECT	400V	220μF	
C656	ECKC2H681J	CERAMIC	500V	680pF	⚠
C657	ECA1HM471GB	ELECT	50V	470pF	
C661	ECKC2H821J	CERAMIC	500V	820pF	⚠
C662	ECEA1VU222	ELECT	35V	2200μF	
C666	222236516224	FILM	160V	220nF	
C667	ECEA1CU471	ELECT	16V	470μF	
C671	ECKC2H681J	CERAMIC	500V	680pF	⚠
C672	ECEA1VU222	ELECT	35V	2200μF	
C677	ECEA1CU471	ELECT	16V	470μF	
C681	ECEA1EGE101	ELECT	25V	100μF	
C682	ECKC2H331J	CERAMIC	500V	330pF	⚠
C687	ECEA1HGE102	ELECT	50V	1000μF	
C1001	ECEA1CU470	ELECT	16V	47μF	
C1002	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1011	ECEA1CU470	ELECT	16V	47μF	
C1012	ECUV1H473ZFX	S.M.CAP	50V	47nF	
C1013	ECEA1CU470	ELECT	16V	47μF	
C1019	ECEA1CU470	ELECT	16V	47μF	
C1020	ECEA1CU470	ELECT	16V	47μF	
C1021	ECEA1HUR47	ELECT	50V	0.47μF	
C1022	ECEA1HUR47	ELECT	50V	0.47μF	
C1023	ECUV1H221JCX	S.M.CAP	50V	220pF	
C1024	ECUV1H221JCX	S.M.CAP	50V	220pF	
C1031	ECEA1HNR47	ELECT	50V	0.47μF	
C1032	ECEA1HUR47	ELECT	50V	0.47μF	
C1033	ECUV1H221JCX	S.M.CAP	50V	220pF	
C1034	ECUV1H221JCX	S.M.CAP	50V	220pF	
C1036	ECEA1CU470	ELECT	16V	47μF	
C1038	ECEA1CU470	ELECT	16V	47μF	
C1041	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1042	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1043	ECEA1HUR47	ELECT	50V	0.47μF	
C1044	ECEA1HUR47	ELECT	50V	0.47μF	
C1051	ECEA1HNR33	ELECT	50V	0.33μF	
C1052	ECEA1HNR33	ELECT	50V	0.33μF	
C1071	ECEA1CN470	ELECT	16V	47μF	
C1091	ECEA1CU470	ELECT	16V	47μF	
C1101	ECEA1HUR47	ELECT	50V	0.47μF	
C1111	ECEA1HU470	ELECT	50V	47μF	
C1112	ECUV1H473ZFX	S.M.CAP	50V	47nF	
C1116	ECUV1H473ZFX	S.M.CAP	50V	47nF	
C1121	ECEA1HUR47	ELECT	50V	0.47μF	

Ref No.	Part No.	Description		
C1124	ECUV1H473ZFX	S.M.CAP	50V	47nF
C1126	ECEA1CU470	ELECT	16V	47μF
C1151	ECUV1H102KBX	S.M.CAP	50V	1nF
C1158	ECEA1HUR47	ELECT	50V	0.47μF
C1161	ECUV1H102KBX	S.M.CAP	50V	1nF
C1178	ECUV1H473ZFX	S.M.CAP	50V	47nF
C1179	ECEA1CU470	ELECT	16V	47μF
C1183	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1193	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1226	ECUV1H560JCX	S.M.CAP	50V	56pF
C1231	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1241	ECUV1H472KBX	S.M.CAP	50V	4.7nF
C1242	ECUV1H472KBX	S.M.CAP	50V	4.7nF
C1263	ECUV1H102KBX	S.M.CAP	50V	1nF
C1266	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1271	ECUV1H102KBX	S.M.CAP	50V	1nF
C1273	ECEA1HUR47	ELECT	50V	0.47μF
C1282	ECEA1HUR47	ELECT	50V	0.47μF
C1284	ECEA1HUR47	ELECT	50V	0.47μF
C1301	ECEA1CU100	ELECT	16V	10μF
C1302	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1303	ECEA1CU100	ELECT	16V	10μF
C1304	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1306	ECEA1CU101	ELECT	16V	100μF
C1307	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1309	ECEA1CU100	ELECT	16V	10μF
C1310	ECEA1CU100	ELECT	16V	10μF
C1311	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1312	ECEA50Y3R3	ELECT	50V	3.3μF
C1313	ECUV1H471JCX	S.M.CAP	50V	470pF
C1314	ECUV1H471JCX	S.M.CAP	50V	470pF
C1315	ECEA1CU100	ELECT	16V	10μF
C1316	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1321	ECUV1H030CCX	S.M.CAP	50V	30pF
C1322	ECUV1H030CCX	S.M.CAP	50V	30pF
C1326	ECQM1H334J	FILM	50V	330nF
C1327	ECUV1H221JCX	S.M.CAP	50V	220pF
C1331	ECUV1H391JCX	S.M.CAP	50V	390pF
C1332	ECUV1H391JCX	S.M.CAP	50V	390pF
C1346	ECUV1H221JCX	S.M.CAP	50V	220pF
C1347	ECUV1H221JCX	S.M.CAP	50V	220pF
C1351	ECEA1CU470	ELECT	16V	47μF
C1352	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1353	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1371	ERJ6GEY0R00	WIRE LINK		
C1377	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1382	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1409	ECUV1H470JCX	S.M.CAP	50V	47pF
C1411	ECUV1H070DCX	S.M.CAP	50V	7pF
C1412	ECUV1H100DCX	S.M.CAP	50V	10pF
C1413	ECUV1H220JCX	S.M.CAP	50V	22pF
C1416	ECUV1H070DCX	S.M.CAP	50V	7pF
C1417	ECUV1H560JCX	S.M.CAP	50V	56pF
C1444	ECUV1H102KBX	S.M.CAP	50V	1nF
C1454	ECUV1H102KBX	S.M.CAP	50V	1nF
C1463	ECUV1H102KBX	S.M.CAP	50V	1nF
C1465	ECUV1H560JCX	S.M.CAP	50V	56pF
C1467	ECUV1H102KBX	S.M.CAP	50V	1nF
C1468	ECUV1H102KBX	S.M.CAP	50V	1nF
C1473	ECUV1H102KBX	S.M.CAP	50V	1nF
C1475	ECUV1H560JCX	S.M.CAP	50V	56pF
C1483	ECUV1H102KBX	S.M.CAP	50V	1nF
C1487	ECUV1H103KBX	S.M.CAP	50V	10nF
C1493	ECUV1H102KBX	S.M.CAP	50V	1nF
C1497	ECUV1H103KBX	S.M.CAP	50V	10nF
C1601	ECEA1CU470	ELECT	16V	47μF
C1602	ECUV1H103KBX	S.M.CAP	50V	10nF
C1606	ECEA0JU102	ELECT	6.3V	1000μF
C1607	ECUV1H103KBX	S.M.CAP	50V	10nF
C1611	ECEA1CU470	ELECT	16V	47μF

Ref No.	Part No.	Description			
C1612	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1613	ECEA1CU100	ELECT	16V	10μF	
C1614	ECUV1H473ZFX	S.M.CAP	50V	47nF	
C1615	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1616	ECUV1H101JCX	S.M.CAP	50V	100pF	
C1617	ECUV1H470JCX	S.M.CAP	50V	47pF	
C1618	ECUV1H470JCX	S.M.CAP	50V	47pF	
C1619	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1620	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1621	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1622	ECEA0JU102	ELECT	6.3V	1000μF	
C1624	ECEA1HNR22	ELECT	50V	0.22μF	
C1625	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω
C1626	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1627	ECEA1HNR22	ELECT	50V	0.22μF	
C1628	ECEA0JU102	ELECT	6.3V	1000μF	
C1641	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1651	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1652	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1653	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1655	ECEA1CU470	ELECT	16V	47μF	
C1661	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1662	ECUV1H683ZFX	S.M.CAP	50V	68nF	
C1663	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1666	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1667	ECUV1H683ZFX	S.M.CAP	50V	68nF	
C1668	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1672	ECEA0JU101	ELECT	6.3V	100μF	
C1673	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1680	ECUV1H471JCX	S.M.CAP	50V	470pF	
C1681	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1682	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1683	ECUV1H271JCX	S.M.CAP	50V	270pF	
C1684	ECUV1H121JCX	S.M.CAP	50V	120pF	
C1685	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1686	ECUV1H271JCX	S.M.CAP	50V	270pF	
C1687	ECUV1H121JCX	S.M.CAP	50V	120pF	
C1688	ECUV1H471JCX	S.M.CAP	50V	470pF	
C1691	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1692	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1693	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1696	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1697	ECUV1H100DCX	S.M.CAP	50V	10pF	
C1698	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1699	ECUV1H100DCX	S.M.CAP	50V	10pF	
C1701	ECEA1CU470	ELECT	16V	47μF	
C1702	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1704	ECEA1CU470	ELECT	16V	47μF	
C1706	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1714	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1717	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1721	ECUV1H473ZFX	S.M.CAP	50V	47nF	
C1722	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1752	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1753	ECEA1CU100	ELECT	16V	10μF	
C1801	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1802	ECA0JM471GB	ELECT	6.3V	470pF	
C1804	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1811	ECUV1H332KBX	S.M.CAP	50V	3.3nF	
C1816	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
C1826	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
C1836	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1838	ECUV1H101JCX	S.M.CAP	50V	100pF	
C1843	ECUV1H472KBX	S.M.CAP	50V	4.7nF	
C1845	ECUV1H560JCX	S.M.CAP	50V	56pF	
C1849	ECKC1H102J	CERAMIC	50V	1000pF	
C1851	ECUV1H470JCX	S.M.CAP	50V	47pF	
C1852	ECUV1H390JCX	S.M.CAP	50V	39pF	
C1853	ECUV1H390JCX	S.M.CAP	50V	39pF	
C1857	ECUV1H560JCX	S.M.CAP	50V	56pF	
C1859	ECUV1H560JCX	S.M.CAP	50V	56pF	

Ref No.	Part No.	Description			
C1871	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1879	ECUV1H560JCX	S.M.CAP	50V	56pF	
C1888	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1891	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1893	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1894	ECUV1H102KBX	S.M.CAP	50V	1nF	
C1922	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1925	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1931	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1941	ECUV1H103KBX	S.M.CAP	50V	10nF	
C1942	ECEA1CU470	ELECT	16V	47μF	
C1961	ECUV1H332KBX	S.M.CAP	50V	3.3nF	
C1962	ECUV1H332KBX	S.M.CAP	50V	3.3nF	
C1963	ECUV1H332KBX	S.M.CAP	50V	3.3nF	
C1964	ECUV1H332KBX	S.M.CAP	50V	3.3nF	
C1971	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1972	ECEA1CU470	ELECT	16V	47μF	
C1973	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1974	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1976	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1977	ECA0JM471GB	ELECT	6.3V	470pF	
C1981	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1982	ECUV1H101JCX	S.M.CAP	50V	100pF	
C2601	ECUV1H180JCX	S.M.CAP	50V	18pF	
C2602	ECUV1H220JCX	S.M.CAP	50V	22pF	
C2603	ECUV1H100DCX	S.M.CAP	50V	10pF	
C2604	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C2605	ECEA1CKA470	ELECT	16V	47μF	
C2606	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C2607	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C2609	ECEA1CKA470	ELECT	16V	47μF	
C2611	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C2612	ECEA1CKA470	ELECT	16V	47μF	
C2613	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C2614	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2615	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2616	ECEA1CKA470	ELECT	16V	47μF	
C2617	ECEA1HKNR47	ELECT	50V	0.47μF	
C2618	ECEA1CKA470	ELECT	16V	47μF	
C2619	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C2620	ECEA1CKA100	ELECT	16V	10μF	
C2621	ECQM1H474J	FILM	50V	470nF	
C2623	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2624	ECEA1CKA101	ELECT	16V	100μF	
C2625	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2626	ECUV1H271JCX	S.M.CAP	50V	270pF	
C2627	ECEA1CKA470	ELECT	16V	47μF	
C2628	ECUV1H180JCX	S.M.CAP	50V	18pF	
C2629	ECUV1H271JCX	S.M.CAP	50V	270pF	
C2630	ECEA1CKA470	ELECT	16V	47μF	
C2631	ECEA1CKA470	ELECT	16V	47μF	
C2632	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2633	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2634	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2635	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2636	ECEA1CKA100	ELECT	16V	10μF	
C2637	ECUV1H330JCX	S.M.CAP	50V	33pF	
C2645	ECUV1H390JCX	S.M.CAP	50V	39pF	
C2651	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2652	ECUV1H470JCX	S.M.CAP	50V	47pF	
C2653	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2654	ECUV1H680JCX	S.M.CAP	50V	68pF	
C2655	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2656	ECUV1H102KBX	S.M.CAP	50V	1nF	
C2657	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2658	ECEA1HKA4R7	ELECT	50V	4.7μF	
C2660	ECEA1HKA4R7	ELECT	50V	4.7μF	
C2661	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2662	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2664	ECEA1HKA4R7	ELECT	50V	4.7μF	
C2665	ECEA1HKA4R7	ELECT	50V	4.7μF	

Ref No.	Part No.	Description			
C2666	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2667	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2668	ECEA1HKA0R1	ELECT	50V	0.1μF	
C2669	ECUV1H181JCX	S.M.CAP	50V	180pF	
C2670	ECEA1HKAR33	ELECT	50V	R33μF	
C2671	ECUV1H152KBX	S.M.CAP	50V	1.5pF	
C2672	ECUV1H223KBX	S.M.CAP	50V	22nF	
C2673	ECUV1H820JCX	S.M.CAP	50V	82pF	
C2674	ECEA1HKA4R7	ELECT	50V	4.7μF	
C2675	ECUV1H181JCX	S.M.CAP	50V	180pF	
C2676	ECEA1CKA100	ELECT	16V	10μF	
C2677	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2678	ECUV1H180JCX	S.M.CAP	50V	18pF	
C2679	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2680	ECEA1CKA470	ELECT	16V	47μF	
C2681	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2682	ECEA1CKA100	ELECT	16V	10μF	
C2683	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2684	ECEA1CKA470	ELECT	16V	47μF	
C2685	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C2686	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C3101	ECUV1H050CCX	S.M.CAP	50V	5pF	
C3102	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C3103	ECEA1HU100	ELECT	50V	10μF	
C3122	ECUV1H102KBX	S.M.CAP	50V	1nF	
C3124	ECUV1H471JCX	S.M.CAP	50V	470pF	
C3131	ECKC2H471J	CERAMIC	500V	470pF	⚠
C3134	ECEA1CU101	ELECT	16V	100μF	
C3136	ECKC2H471J	CERAMIC	500V	470pF	⚠
C3139	ECEA1CU101	ELECT	16V	100μF	
C3141	ECEA1CU471	ELECT	16V	470μF	
C3143	ECEA1CU100	ELECT	16V	10μF	
C3144	ECEA1CU470	ELECT	16V	47μF	
C3146	ECEA2EU220	ELECT	250V	22μF	
C3152	ECEA2EU220	ELECT	250V	22μF	
C3153	ECA1VM101GB	ELECT	35V	100pF	
C3167	ECUV1H100DCX	S.M.CAP	50V	10pF	
C3168	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C3169	ECEA1CU100	ELECT	16V	10μF	
C3177	ECUV1H150JCX	S.M.CAP	50V	15pF	
C3178	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C3179	ECEA1CU100	ELECT	16V	10μF	
C3187	ECUV1H270JCX	S.M.CAP	50V	27pF	
C3188	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C3189	ECEA1CU100	ELECT	16V	10μF	
C3356	ECA1CM220GB	ELECT	16V	22μF	
C3357	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C3362	TACA1103P2KV	I.C.			
C3363	TACA1103P2KV	I.C.			
C3364	ECKC1H102J	CERAMIC	50V	1000pF	
C3366	ECEA2EU220	ELECT	250V	22μF	
C3367	ECQM2104KZ	FILM	250V	100nF	
C3369	ECEA1HU010	ELECT	50V	1μF	
C3371	ECUV1H150JCX	S.M.CAP	50V	15pF	
C3373	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C3377	ECUV1H681JCX	S.M.CAP	50V	680pF	
C3383	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C3387	ECUV1H681JCX	S.M.CAP	50V	680pF	
C3392	ECA1CM222GB	ELECT	16V	2200μF	
C3393	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C3397	ECUV1H681JCX	S.M.CAP	50V	680pF	
C4701	ECUV1H151JCX	S.M.CAP	50V	150pF	
C4702	ECUV1H331JCX	S.M.CAP	50V	330pF	
C4703	ECEA1HKAR47	ELECT	50V	0.47μF	
C4704	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C4705	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C4706	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C4707	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C4708	ECEA1CKA100	ELECT	16V	10μF	
C4709	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C4710	ECEA1CKA100	ELECT	16V	10μF	

Ref No.	Part No.	Description		
C4711	ECUV1H390JPX	S.M.CAP	50V	39pF
C4712	ECUV1H150JCX	S.M.CAP	50V	15pF
C4713	ECUV1H104ZFX	S.M.CAP	50V	100nF
C4714	ECEA1EKA100	ELECT	25V	10μF
C4715	ECUV1H104ZFX	S.M.CAP	50V	100nF
C4716	ECEA1CKA100	ELECT	16V	10μF
C4717	ECUV1H683ZFX	S.M.CAP	50V	68nF
C4718	ECUV1H102KBX	S.M.CAP	50V	1nF
C4719	ECEA1HKAR47	ELECT	50V	0.47μF
C4720	ECUV1H104ZFX	S.M.CAP	50V	100nF
C4721	ECEA1HKA2R2	ELECT	50V	2.2μF
C4722	ECUV1H104ZFX	S.M.CAP	50V	100nF
C4723	ECUV1H104ZFX	S.M.CAP	50V	100nF
C4724	ECUV1H104ZFX	S.M.CAP	50V	100nF
C4725	ECUV1H104ZFX	S.M.CAP	50V	100nF
C4726	ECEA1CKA470	ELECT	16V	47μF
C4729	ECUV1H102KBX	S.M.CAP	50V	1nF
C4730	ECUV1H102KBX	S.M.CAP	50V	1nF
C4733	ECUV1H270JPX	S.M.CAP	50V	27pF
C4742	ECUV1H100DCX	S.M.CAP	50V	10pF
C4744	ECUV1H100DCX	S.M.CAP	50V	10pF
C4745	ECUV1H102KBX	S.M.CAP	50V	1nF
C4746	ECUV1H104ZFX	S.M.CAP	50V	100nF
C4747	ECUV1H102KBX	S.M.CAP	50V	1nF
C4748	ECUV1H102KBX	S.M.CAP	50V	1nF
C4749	ECUV1H102KBX	S.M.CAP	50V	1nF
C4790	ECEA1HKA010	ELECT	50V	1μF
C6101	ECA1HM471GB	ELECT	50V	470pF
C6102	ECQM1H334J	FILM	50V	330nF
C6103	ECQM1H104J	FILM	50V	100nF
C6104	ECEA0JU222	ELECT	6.3V	2200μF
C6106	ECEA1HU101	ELECT	50V	100μF
C6301	ECEA1CU470	ELECT	16V	47μF
C6303	ECUV1H103ZFX	S.M.CAP	50V	10nF
C6401	ECEA1CU101	ELECT	16V	100μF
C6402	ECEA1CU101	ELECT	16V	100μF
C6403	ECUV1H103ZFX	S.M.CAP	50V	10nF
C6406	ECEA1HU4R7	ELECT	50V	4.7μF
C6407	ECUV1H102KBX	S.M.CAP	50V	1nF
C6408	ECEA1HU4R7	ELECT	50V	4.7μF
C6409	ECUV1H561JCX	S.M.CAP	50V	560pF
C6410	ECUV1H561JCX	S.M.CAP	50V	560pF
C6417	ECEA1CU471	ELECT	16V	470μF
C6418	ECUV1H103ZFX	S.M.CAP	50V	10nF
C6436	ECEA1HU4R7	ELECT	50V	4.7μF
C6437	ECUV1H102KBX	S.M.CAP	50V	1nF
C6438	ECEA1HU4R7	ELECT	50V	4.7μF
C6447	ECEA1CU471	ELECT	16V	470μF
C6448	ECUV1H103ZFX	S.M.CAP	50V	10nF
C6491	ECUV1H271JCX	S.M.CAP	50V	270pF
C6591	ECUV1H271JCX	S.M.CAP	50V	270pF
C6812	ECQU2A154MN	FILM	250V	150nF
C6815	ECQU2A224MN	FILM	250V	220nF

DIODES

D206	MA4300	DIODE
D465	MA165TA5	DIODE
D466	MA165TA5	DIODE
D467	MA165TA5	DIODE
D468	MA165TA5	DIODE
D471	MA700TA5	DIODE
D481	MA700TA5	DIODE
D491	MA167TA5	DIODE
D521	MA170	DIODE
D526	MA165TA5	DIODE
D527	EU02	DIODE
D536	ERB0615	DIODE TYPD0753VAG
D537	TVSRU2AM	DIODE
D544	TVSRC2V1	DIODE

Ref No.	Part No.	Description
D547	AU02V0	DIODE
D548	MA165TA5	DIODE
D549	MA167TA5	DIODE
D557	EU02	DIODE
D561	ERA15−02V3	DIODE
D562	MA165TA5	DIODE
D563	MA165TA5	DIODE
D564	MTZJ33B	DIODE
D566	MA2082ALFS	DIODE
D567	MA4062	DIODE
D568	MA2100LFS	DIODE
D569	MA2082ALFS	DIODE
D591	MA4360	DIODE
D613	RBV4−08	DIODE
D622	MA171TA5	DIODE
D624	BYT56K15/10	DIODE
D630	MA165TA5	DIODE
D636	MA167TA5	DIODE
D651	RG4CLFL1	DIODE
D656	EU02	DIODE
D661	ERD32−02L7	DIODE
D671	ERD32−02L7	DIODE
D674	MA4120	DIODE
D678	MA4027	DIODE
D681	EU02	DIODE
D686	RU4AMLF−M1	DIODE
D1019	PMLL5242B	DIODE
D1020	PMLL5242B	DIODE
D1023	PMLL5242B	DIODE
D1024	PMLL5242B	DIODE
D1033	PMLL5242B	DIODE
D1034	PMLL5242B	DIODE
D1036	PMLL5242B	DIODE
D1038	PMLL5242B	DIODE
D1070	PMLL5242B	DIODE
D1080	RLS72TE−11	DIODE
D1081	RLS72TE−11	DIODE
D1082	RLS72TE−11	DIODE
D1090	PMLL5242B	DIODE
D1121	PMLL5242B	DIODE
D1123	PMLL5242B	DIODE
D1156	PMLL5242B	DIODE
D1158	PMLL5242B	DIODE
D1172	PMLL5242B	DIODE
D1221	PMLL5232B	DIODE
D1222	PMLL5232B	DIODE
D1270	PMLL5242B	DIODE
D1273	PMLL5242B	DIODE
D1282	PMLL5242B	DIODE
D1284	PMLL5242B	DIODE
D1381	PMLL5239B	DIODE
D1382	RLS72TE−11	DIODE
D1601	RLS72TE−11	DIODE
D1614	RLS72TE−11	DIODE
D1617	RLS72TE−11	DIODE
D1623	RLS72TE−11	DIODE
D1624	RLS72TE−11	DIODE
D1672	RLS72TE−11	DIODE
D1681	RLS72TE−11	DIODE
D1682	RLS72TE−11	DIODE
D1717	RLS72TE−11	DIODE
D1941	PMLL5232B	DIODE
D3126	RLS72TE−11	DIODE
D3127	RLS72TE−11	DIODE
D3133	RLS72TE−11	DIODE
D3138	RLS72TE−11	DIODE
D3368	RLS72TE−11	DIODE
D3372	MA165TA5	DIODE
D3373	RLS72TE−11	DIODE
D3374	RLS72TE−11	DIODE
D3377	RLS72TE−11	DIODE

Ref No.	Part No.	Description
D3382	MA165TA5	DIODE
D3383	RLS72TE−11	DIODE
D3384	RLS72TE−11	DIODE
D3387	RLS72TE−11	DIODE
D3391	MA165TA5	DIODE
D3392	MA165TA5	DIODE
D3393	RLS72TE−11	DIODE
D3394	RLS72TE−11	DIODE
D3397	RLS72TE−11	DIODE
D6101	TVSS1WBS20	DIODE
D6103	RLS72TE−11	DIODE
D6106	RLS72TE−11	DIODE
D6301	SLR56UR3FCF4	L.E.D.
D6381	RLS72TE−11	DIODE
D6382	RLS72TE−11	DIODE
D6391	RLS72TE−11	DIODE
D6392	RLS72TE−11	DIODE
D6491	RLS72TE−11	DIODE
D6492	RLS72TE−11	DIODE
D6591	RLS72TE−11	DIODE
D6592	RLS72TE−11	DIODE

FUSES

F547	TR5−T2000	FUSE	⚠
F656	TR5−T1250	FUSE	⚠
F661	TR5−T2000	FUSE	⚠
F671	TR5−T2000	FUSE	⚠
F6811	2153.15H	FUSE	⚠
F68111	EYF52BC	FUSE HOLDER	
F68112	EYF52BC	FUSE HOLDER	

SOCKETS

H1871	832AG11D−ESL	I.C.SOCKET

INTEGRATED CIRCUITS

I466	LA4282	AUDIO OUTPUT
I561	TDA8175−3	VERTICAL OUTPUT
I611	TDA4605−3	SWITCHABLE POWER SUPPLY
I646	L78M09MRB	9V REGULATOR
I661	LM317T	12V REGULATOR
I676	TL431ACLPM	COIL
I1011	TEA6420	AUDIO SWITCH
I1111	TEA6415C	VIDEO SWITCH
I1301	MSP3410−15	AUDIO PROCESSOR
I1351	AN78L08TA	8V REGULATOR
I1601	VDP3108−29	VIDEO PROCESSOR
I1701	TPU3040−20	TEXT PROCESSOR
I1751	81C1000A−70P	DRAM
I1801	CCU3000I−05	CENTRAL CONTROL UNIT
I1802	MN1280R	RESET
I1941	27C010−07A2E	EPROM
I1981	MN1280R	RESET
I2601	MC141625A	FILTER
I2651	UPC1860GS−E1	DELAY
I4700	LA7577N	V.I.F.
I4701	AN78N12	12V REGULATOR
I6101	AN78L05TA	5V REGULATOR
I6301	RPM−637CBRS1	LED RECEIVER

TERMINALS AND LINKS

Ref No.	Part No.	Description
JC1001	ERJ8GEY0R00	WIRE LINK
JC1002	ERJ8GEY0R00	WIRE LINK
JC1003	ERJ8GEY0R00	WIRE LINK
JC1004	ERJ8GEY0R00	WIRE LINK
JC1005	ERJ6GEY0R00	WIRE LINK
JC1006	ERJ6GEY0R00	WIRE LINK
JC1007	ERJ8GEY0R00	WIRE LINK
JC1008	ERJ8GEY0R00	WIRE LINK
JC1009	ERJ8GEY0R00	WIRE LINK
JC1010	ERJ8GEY0R00	WIRE LINK
JC1011	ERJ8GEY0R00	WIRE LINK
JC1012	ERJ6GEY0R00	WIRE LINK
JC1013	ERJ6GEY0R00	WIRE LINK
JC1014	ERJ8GEY0R00	WIRE LINK
JC1015	ERJ6GEY0R00	WIRE LINK
JC1016	ERJ8GEY0R00	WIRE LINK
JC1017	ERJ8GEY0R00	WIRE LINK
JC1018	ERJ8GEY0R00	WIRE LINK
JC1019	ERJ6GEY0R00	WIRE LINK
JC1020	ERJ8GEY0R00	WIRE LINK
JC1021	ERJ8GEY0R00	WIRE LINK
JC1022	ERJ8GEY0R00	WIRE LINK
JC1023	ERJ8GEY0R00	WIRE LINK
JC1024	ERJ6GEY0R00	WIRE LINK
JC1025	ERJ8GEY0R00	WIRE LINK
JC1026	ERJ8GEY0R00	WIRE LINK
JC1027	ERJ6GEY0R00	WIRE LINK
JC1029	ERJ8GEY0R00	WIRE LINK
JC1030	ERJ6GEY0R00	WIRE LINK
JC1031	ERJ6GEY0R00	WIRE LINK
JC1032	ERJ6GEY0R00	WIRE LINK
JC1033	ERJ8GEY0R00	WIRE LINK
JC1034	ERJ8GEY0R00	WIRE LINK
JC1035	ERJ6GEY0R00	WIRE LINK
JC1036	ERJ8GEY0R00	WIRE LINK
JC1037	ERJ8GEY0R00	WIRE LINK
JC1040	ERJ8GEY0R00	WIRE LINK
JC1041	ERJ8GEY0R00	WIRE LINK
JC1042	ERJ8GEY0R00	WIRE LINK
JC1043	ERJ8GEY0R00	WIRE LINK
JC1044	ERJ8GEY0R00	WIRE LINK
JC1045	ERJ6GEY0R00	WIRE LINK
JC1047	ERJ8GEY0R00	WIRE LINK
JC1048	ERJ6GEY0R00	WIRE LINK
JC1049	ERJ8GEY0R00	WIRE LINK
JC1050	ERJ8GEY0R00	WIRE LINK
JC1051	ERJ6GEY0R00	WIRE LINK
JC1052	ERJ8GEY0R00	WIRE LINK
JC1053	ERJ8GEY0R00	WIRE LINK
JC1054	ERJ8GEY0R00	WIRE LINK
JC1055	ERJ6GEY0R00	WIRE LINK
JC1056	ERJ6GEY0R00	WIRE LINK
JC1057	ERJ6GEY0R00	WIRE LINK
JC1058	ERJ8GEY0R00	WIRE LINK
JC1059	ERJ8GEY0R00	WIRE LINK
JC1060	ERJ6GEY0R00	WIRE LINK
JC1061	ERJ8GEY0R00	WIRE LINK
JC1062	ERJ8GEY0R00	WIRE LINK
JC1064	ERJ6GEY0R00	WIRE LINK
JC1065	ERJ8GEY0R00	WIRE LINK
JC1066	ERJ6GEY0R00	WIRE LINK
JC1067	ERJ6GEY0R00	WIRE LINK
JC1068	ERJ6GEY0R00	WIRE LINK
JC1069	ERJ8GEY0R00	WIRE LINK
JC1070	ERJ6GEY0R00	WIRE LINK
JC1071	ERJ6GEY0R00	WIRE LINK
JC1072	ERJ6GEY0R00	WIRE LINK
JC1073	ERJ8GEY0R00	WIRE LINK
JC1074	ERJ6GEY0R00	WIRE LINK
JC1075	ERJ6GEY0R00	WIRE LINK
JC1076	ERJ6GEY0R00	WIRE LINK
JC1077	ERJ8GEY0R00	WIRE LINK
JC1078	ERJ6GEY0R00	WIRE LINK
JC1079	ERJ8GEY0R00	WIRE LINK
JC1080	ERJ8GEY0R00	WIRE LINK
JC1081	ERJ8GEY0R00	WIRE LINK
JC1082	ERJ8GEY0R00	WIRE LINK
JC1083	ERJ8GEY0R00	WIRE LINK
JC1084	ERJ6GEY0R00	WIRE LINK
JC1085	ERJ6GEY0R00	WIRE LINK
JC1086	ERJ6GEY0R00	WIRE LINK
JC1087	ERJ6GEY0R00	WIRE LINK
JC1088	ERJ6GEY0R00	WIRE LINK
JC1089	ERJ8GEY0R00	WIRE LINK
JC1090	ERJ6GEY0R00	WIRE LINK
JC1091	ERJ6GEY0R00	WIRE LINK
JC1093	ERJ8GEY0R00	WIRE LINK
JC1094	ERJ8GEY0R00	WIRE LINK
JC1095	ERJ8GEY0R00	WIRE LINK
JC1096	ERJ6GEY0R00	WIRE LINK
JC1097	ERJ6GEY0R00	WIRE LINK
JC1098	ERJ8GEY0R00	WIRE LINK
JC1099	ERJ8GEY0R00	WIRE LINK
JC1100	ERJ8GEY0R00	WIRE LINK
JC1101	ERJ8GEY0R00	WIRE LINK
JC1102	ERJ8GEY0R00	WIRE LINK
JC1103	ERJ6GEY0R00	WIRE LINK
JC1104	ERJ8GEY0R00	WIRE LINK
JC1105	ERJ8GEY0R00	WIRE LINK
JC1106	ERJ8GEY0R00	WIRE LINK
JC1107	ERJ8GEY0R00	WIRE LINK
JC1108	ERJ8GEY0R00	WIRE LINK
JC1109	ERJ6GEY0R00	WIRE LINK
JC1111	ERJ6GEY0R00	WIRE LINK
JC1112	ERJ6GEY0R00	WIRE LINK
JC1113	ERJ6GEY0R00	WIRE LINK
JC1114	ERJ8GEY0R00	WIRE LINK
JC1115	ERJ6GEY0R00	WIRE LINK
JC1116	ERJ6GEY0R00	WIRE LINK
JC1117	ERJ6GEY0R00	WIRE LINK
JC1118	ERJ6GEY0R00	WIRE LINK
JC1119	ERJ6GEY0R00	WIRE LINK
JC1121	ERJ6GEY0R00	WIRE LINK
JC1122	ERJ6GEY0R00	WIRE LINK
JC1123	ERJ6GEY0R00	WIRE LINK
JC1124	ERJ6GEY0R00	WIRE LINK
JC1125	ERJ6GEY0R00	WIRE LINK
JK6401	TJB8E012	AV TERMINAL
J2	ERJ6GEY0R00	WIRE LINK
J12	EXCELSA39V	COIL
J23	EXCELSA39V	COIL

COILS

L204	ELER220KA	COIL
L230	EXCELSA24T	COIL
L538	297−23293	COIL
L541	ELH5L421	COIL
L542	ELC08D055	COIL
L554	ELER220KA	COIL
L594	297−017696	COIL
L624	EXCELSA35T	COIL
L626	EXCELSR35S	COIL
L650	EXCELDR35C	COIL
L661	EXCELDR35V	COIL
L671	EXCELDR35V	COIL
L686	EXCELSA35T	COIL
L1037	TSC925−4	CHOKE
L1301	EXCELDR35V	COIL

Ref No.	Part No.	Description
L1303	EXCELDR35V	COIL
L1351	ELEV4R7KA	COIL
L1413	ELEV6R8KA	COIL
L1601	ELEV4R7KA	COIL
L1606	EXCELDR35V	COIL
L1611	ELEV4R7KA	COIL
L1619	EXCELDR35V	COIL
L1622	ELEV4R7KA	COIL
L1634	EXCEMT101BT	COIL
L1644	EXCEMT101BT	COIL
L1652	ELEV4R7KA	COIL
L1654	EXCEMT101BT	COIL
L1684	ELEMV1R5MA	COIL
L1687	ELEMV1R5MA	COIL
L1691	EXCEMT101BT	COIL
L1692	EXCEMT101BT	COIL
L1693	EXCEMT101BT	COIL
L1694	EXCEMT101BT	COIL
L1701	ELEV4R7KA	COIL
L1714	EXCELDR35V	COIL
L1751	EXCELDR35V	COIL
L1801	ELEV4R7KA	COIL
L1837	EXCELDR35V	COIL
L1845	ELEV3R3KA	COIL
L1857	ELEV3R3KA	COIL
L1859	ELEV3R3KA	COIL
L1871	EXCELDR35V	COIL
L1878	ELEV3R3KA	COIL
L1888	ELEV4R7KA	COIL
L1931	ELEV4R7KA	COIL
L1941	EXCELDR35V	COIL
L1972	EXCELDR35V	COIL
L1974	EXCELDR35V	COIL
L1977	EXCELDR35V	COIL
L2601	TLT390K991R	COIL
L2602	TLT221K991R	COIL
L2603	TLT221K991R	COIL
L2604	TLT221K991R	COIL
L2605	TLT220K991R	COIL
L2606	TLT047K991R	COIL
L2607	TLT220K991R	COIL
L2608	EXCELDR35V	COIL
L2609	EXCELDR35V	COIL
L2637	TLT068K991R	COIL
L2651	TLT150K991R	COIL
L2653	TLT101K991R	COIL
L2654	TLT101K991R	COIL
L2655	TLT101K991R	COIL
L2656	TLT100K991R	COIL
L3161	SDL−4101	COIL
L3171	SDL−4101	COIL
L3181	SDL−4101	COIL
L4701	TLTR47K991R	COIL
L4704	TLT022K991R	COIL
L4705	EIV7EN200B	COIL
L4706	EIV7EN201B	COIL
L4707	TLT100K991R	COIL
L6403	ELEBT6R8KA	COIL
L6404	ELEBT6R8KA	COIL
L6417	ELEBT6R8KA	COIL
L6447	ELEBT6R8KA	COIL
L6811	ELF18D415F	FILTER
L6812	ELF18D415F	FILTER

CONTROLS

P633	EVMEASA00B52	CONTROL 500Ω
P2601	EVNDXAA03B13	CONTROL 1KΩ
P3362	RH092GDJ6J	VARIABLE RESISTOR
P3368	EVN65UA00B24	CONTROL 20KΩ
P4701	EVNDXAA03B53	CONTROL 5KΩ

TRANSISTORS

Q463	BC557B	TRANSISTOR
Q465	BC547B	TRANSISTOR
Q494	BC547B	TRANSISTOR
Q496	BC547B	TRANSISTOR
Q497	BC557B	TRANSISTOR
Q498	BC547B	TRANSISTOR
Q526	2SD836−AL	TRANSISTOR
Q534	BU2508AXRL	TRANSISTOR
Q591	BC557B	TRANSISTOR
Q592	BC557B	TRANSISTOR
Q593	BC547B	TRANSISTOR
Q594	2SD1265A	TRANSISTOR
Q624	2SK1118LB	TRANSISTOR
Q651	TFD312SOF632	DIODE
Q667	BC547B	TRANSISTOR
Q674	BUZ71AF1	TRANSISTOR
Q681	BC557B	TRANSISTOR
Q682	2SA1535LB	TRANSISTOR
Q1071	BC817−25	TRANSISTOR
Q1091	BC817−25	TRANSISTOR
Q1123	BC847B	TRANSISTOR
Q1163	BC847B	TRANSISTOR
Q1167	BC857B	TRANSISTOR
Q1172	BC847B	TRANSISTOR
Q1182	BC847B	TRANSISTOR
Q1192	BC847B	TRANSISTOR
Q1221	BC847B	TRANSISTOR
Q1222	BC847B	TRANSISTOR
Q1267	BC847B	TRANSISTOR
Q1382	BC857B	TRANSISTOR
Q1466	BC860B	TRANSISTOR
Q1476	BC860B	TRANSISTOR
Q1486	BC860B	TRANSISTOR
Q1496	BC860B	TRANSISTOR
Q1612	BC847B	TRANSISTOR
Q1631	BC847B	TRANSISTOR
Q1633	BC847B	TRANSISTOR
Q1636	BC857B	TRANSISTOR
Q1641	BC847B	TRANSISTOR
Q1643	BC847B	TRANSISTOR
Q1646	BC857B	TRANSISTOR
Q1651	BC847B	TRANSISTOR
Q1653	BC847B	TRANSISTOR
Q1656	BC857B	TRANSISTOR
Q1663	BC847B	TRANSISTOR
Q1664	BC847B	TRANSISTOR
Q1667	BC847B	TRANSISTOR
Q1673	BC847B	TRANSISTOR
Q1812	BC847B	TRANSISTOR
Q1816	BC847B	TRANSISTOR
Q1822	BC847B	TRANSISTOR
Q1824	BC847B	TRANSISTOR
Q1827	BC857B	TRANSISTOR
Q1831	BC847B	TRANSISTOR
Q2601	BC847B	TRANSISTOR
Q2602	BC847B	TRANSISTOR
Q2603	BC847B	TRANSISTOR
Q2604	BC847B	TRANSISTOR
Q2605	BC857B	TRANSISTOR
Q2606	BC857B	TRANSISTOR
Q2607	BC847B	TRANSISTOR
Q2608	BC847B	TRANSISTOR
Q2609	BC857B	TRANSISTOR
Q2610	BC857B	TRANSISTOR
Q2611	BC857B	TRANSISTOR
Q2612	BC857B	TRANSISTOR

Ref No.	Part No.	Description
Q2613	BC847B	TRANSISTOR
Q2614	BC847B	TRANSISTOR
Q2615	BC857B	TRANSISTOR
Q2616	BC847B	TRANSISTOR
Q2651	BC847B	TRANSISTOR
Q2653	BC847B	TRANSISTOR
Q3108	BC847B	TRANSISTOR
Q3109	BC847B	TRANSISTOR
Q3111	BC857B	TRANSISTOR
Q3122	BC847B	TRANSISTOR
Q3126	BC847B	TRANSISTOR
Q3127	BC857B	TRANSISTOR
Q3131	2SB940APLB	TRANSISTOR
Q3136	2SD1264APLB	TRANSISTOR
Q3143	BC847B	TRANSISTOR
Q3162	BC857B	TRANSISTOR
Q3164	BC847B	TRANSISTOR
Q3166	BC857B	TRANSISTOR
Q3169	BC857B	TRANSISTOR
Q3172	BC857B	TRANSISTOR
Q3174	BC847B	TRANSISTOR
Q3176	BC857B	TRANSISTOR
Q3179	BC857B	TRANSISTOR
Q3182	BC857B	TRANSISTOR
Q3184	BC847B	TRANSISTOR
Q3186	BC857B	TRANSISTOR
Q3189	BC857B	TRANSISTOR
Q3359	BC847B	TRANSISTOR
Q3368	2SB710A−XR	TRANSISTOR
Q3371	BC857B	TRANSISTOR
Q3373	2SC4714RL2	TRANSISTOR
Q3374	2SC3063RL	TRANSISTOR
Q3377	2SA1698RL	TRANSISTOR
Q3381	BC857B	TRANSISTOR
Q3383	2SC4714RL2	TRANSISTOR
Q3384	2SC3063RL	TRANSISTOR
Q3387	2SA1698RL	TRANSISTOR
Q3391	BC857B	TRANSISTOR
Q3392	2SA1309ATA	TRANSISTOR
Q3393	2SC4714RL2	TRANSISTOR
Q3394	2SC3063RL	TRANSISTOR
Q3397	2SA1698RL	TRANSISTOR
Q4701	BC847B	TRANSISTOR
Q4702	BC847B	TRANSISTOR
Q4703	BC847B	TRANSISTOR
Q4704	BF370−126	TRANSISTOR
Q4705	BF370−126	TRANSISTOR
Q6111	BC847B	TRANSISTOR
Q6114	BC847B	TRANSISTOR
Q6403	BC847B	TRANSISTOR
Q6413	BC847B	TRANSISTOR
Q6417	BC857B	TRANSISTOR
Q6433	BC847B	TRANSISTOR
Q6443	BC847B	TRANSISTOR
Q6447	BC857B	TRANSISTOR

RESISTOR

RL6101	TSE10818	RELAY			
R201	ERD25TJ223	CARBON	0.25W	5%	22KΩ
R206	ERG2ANJ223	METAL	2W	5%	22KΩ
R259	ERD25TJ473	CARBON	0.25W	5%	47KΩ
R462	ERD25TJ101	CARBON	0.25W	5%	100Ω
R463	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R466	ERD25TJ153	CARBON	0.25W	5%	15KΩ
R470	ERD25TJ560	CARBON	0.25W	5%	56Ω
R471	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R472	ERD25TJ333	CARBON	0.25W	5%	33KΩ
R473	ERD25TJ270	CARBON	0.25W	5%	27Ω
R477	ERD25TJ684	CARBON	0.25W	5%	680KΩ

Ref No.	Part No.	Description			
R478	ERD25TJ332	CARBON	0.25W	5%	3K3Ω
R479	ERDS1TJ2R2	CARBON	0.5W	5%	2.2Ω
R480	ERD25TJ560	CARBON	0.25W	5%	56Ω
R481	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R482	ERD25TJ333	CARBON	0.25W	5%	33KΩ
R483	ERD25TJ270	CARBON	0.25W	5%	27Ω
R484	ERD25TJ273	CARBON	0.25W	5%	27KΩ
R485	ERD25TJ561	CARBON	0.25W	5%	560Ω
R486	ERD25TJ333	CARBON	0.25W	5%	33KΩ
R487	ERD25TJ684	CARBON	0.25W	5%	680KΩ
R488	ERD25TJ332	CARBON	0.25W	5%	3K3Ω
R489	ERDS1TJ2R2	CARBON	0.5W	5%	2.2Ω
R490	ERD25TJ563	CARBON	0.25W	5%	56KΩ
R491	ERQ14AJ100	METAL	0.25W	5%	10Ω ⚠
R492	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R493	ERD25TJ473	CARBON	0.25W	5%	47KΩ
R494	ERD25TJ684	CARBON	0.25W	5%	680KΩ
R496	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R497	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R498	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R499	ERD25TJ473	CARBON	0.25W	5%	47KΩ
R521	ERQ14AJ3R3	METAL	0.25W	5%	3R3Ω ⚠
R526	ERD25TJ560	CARBON	0.25W	5%	56Ω
R527	ERDS1TJ152	CARBON	0.5W	5%	1K5Ω
R528	ERDS1TJ152	CARBON	0.5W	5%	1K5Ω
R531	ERF10ZK4R7	WOUND	10W	5%	4R7Ω ⚠
R532	ERW2PKR47	WIREWOUND	2W	10%	0R47Ω ⚠
R533	ERDS1TJ220	CARBON	0.5W	5%	22Ω
R541	ERG1ANJ152	METAL	1W	5%	1K5Ω
R542	ERQ1ABJ101	FUSIBLE	1W	5%	100Ω ⚠
R543	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R546	ERDS1TJ184	CARBON	0.5W	5%	180K
R548	ERD25TJ223	CARBON	0.25W	5%	22KΩ
R549	ERDS1TJ224	CARBON	0.5W	5%	220KΩ
R557	ERQ12HKR22	FUSIBLE	0.5W	5%	0R22Ω ⚠
R559	ERDS1TJ100	CARBON	0.5W	5%	10Ω
R561	ERQ12HJ1R5	FUSIBLE	0.5W	5%	1R5Ω ⚠
R563	ERD25TJ104	CARBON	0.25W	5%	100KΩ
R564	ERD25TJ223	CARBON	0.25W	5%	22KΩ
R566	ERD25TJ472	CARBON	0.25W	5%	4K7Ω
R567	ERD25TJ472	CARBON	0.25W	5%	4K7Ω
R568	ERD25TJ1R5	CARBON	0.25W	5%	1R5Ω
R569	ERDS1TJ821	CARBON	0.5W	5%	820Ω
R570	ERG2SJ102	METAL	2W	5%	1K0Ω
R572	ERO25CKF1801	METAL	0.25W	1%	1K8Ω ⚠
R573	ERO25CKF1801	METAL	0.25W	1%	1K8Ω ⚠
R574	ERW12PKR68	WIREWOUND	0.5W	10%	R68Ω ⚠
R576	ERD25TJ223	CARBON	0.25W	5%	22KΩ
R577	ERD25TJ223	CARBON	0.25W	5%	22KΩ
R578	ERD25TJ680	CARBON	0.25W	5%	68Ω
R579	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R580	ERG1SJ561	METAL	1W	5%	560Ω
R581	ERG2FJ221	METAL	2W	5%	220Ω ⚠
R583	ERD25TJ472	CARBON	0.25W	5%	4K7Ω
R590	ERD25TJ224	CARBON	0.25W	5%	220KΩ
R591	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R592	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R593	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R594	ERD25TJ104	CARBON	0.25W	5%	100KΩ
R595	ERD25TJ472	CARBON	0.25W	5%	4K7Ω
R596	ERD25TJ563	CARBON	0.25W	5%	56KΩ
R598	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R613	ERF10ZK5R6	WIRE	10W	5%	5R6Ω ⚠
R614	ERDS1TJ394	CARBON	0.5W	5%	390KΩ
R616	ERC12GK154D	SOLID	0.5W	10%	150KΩ
R619	232266296706	THERMISTOR			
R621	ERG2FJ183	METAL	0.5W	5%	18KΩ ⚠
R622	ERDS1TJ394	CARBON	0.5W	5%	390KΩ
R623	ERD25TJ472	CARBON	0.25W	5%	4K7Ω
R624	ERD25TJ121	CARBON	0.25W	5%	120Ω

Ref No.	Part No.	Description		
R625	ERC12GK154D	SOLID	0.5W	10% 150KΩ
R626	ERG2FJ183	METAL	0.5W	5% 18KΩ ⚠
R627	ERD25TJ103	CARBON	0.25W	5% 10KΩ
R628	ERG3FJ393	METAL	0.25W	5% 39KΩ ⚠
R629	ERG1ANJ470	METAL	1W	5% 47Ω
R630	ERD25TJ270	CARBON	0.25W	5% 27Ω
R631	ERD25TJ101	CARBON	0.25W	5% 100Ω
R632	ERO25CKF1400	METAL	0.25W	1% 140Ω ⚠
R633	ERO25CKF3921	METAL	0.25W	1% 3R92KΩ ⚠
R634	ERDS1TJ1R5	CARBON	0.5W	5% 1R5Ω
R636	ERD25TJ473	CARBON	0.25W	5% 47KΩ
R639	ERD75TAJ825	CARBON	0.75W	5% 8M2Ω ⚠
R651	ERDS1TJ474	CARBON	0.5W	5% 470KΩ
R652	ERD25TJ102	CARBON	0.25W	5% 1KΩ
R666	ERO25CKF3301	METAL	0.25W	1% 3K3Ω ⚠
R667	ERO25CKF3900	METAL	0.25W	1% 3R9KΩ ⚠
R668	ERD25TJ103	CARBON	0.25W	5% 10KΩ
R674	ERD25TJ223	CARBON	0.25W	5% 22KΩ
R675	ERD25TJ155	CARBON	0.25W	5% 1M5Ω
R676	ERO25CKF1002	METAL	0.25W	1% 10KΩ ⚠
R677	ERO25CKF1002	METAL	0.25W	1% 10KΩ ⚠
R678	ERD25TJ121	CARBON	0.25W	5% 120Ω
R680	ERQ12HJ1R5	FUSIBLE	0.5W	5% 1R5Ω ⚠
R681	ERDS1TJ4R7	CARBON	0.5W	5% 4R7Ω
R682	ERD25TJ222	CARBON	0.25W	5% 2K2Ω
R683	ERG3FJ101	METAL	3W	5% 100Ω ⚠
R684	ERD25TJ682	CARBON	0.25W	5% 6K8Ω
R686	NKS2	FUSIBLE	0.25W	5% 0.1Ω
R688	NKS2	FUSIBLE	0.25W	5% 0.1Ω
R1001	ERQ14AJ3R3	METAL	0.25W	5% 3R3Ω ⚠
R1011	ERQ14AJ100	METAL	0.25W	5% 10Ω ⚠
R1019	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1020	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1021	ERJ6GEYJ153	S.M.CARB	0.1W	5% 15KΩ
R1022	ERJ6GEYJ153	S.M.CARB	0.1W	5% 15KΩ
R1023	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1024	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1031	ERJ6GEYJ153	S.M.CARB	0.1W	5% 15KΩ
R1032	ERJ6GEYJ153	S.M.CARB	0.1W	5% 15KΩ
R1033	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1034	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1036	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1038	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1041	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1042	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1071	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ
R1072	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1073	ERJ6GEYJ152	S.M.CARB	0.1W	5% 1K5Ω
R1074	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R1091	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ
R1092	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1093	ERJ6GEYJ152	S.M.CARB	0.1W	5% 1K5Ω
R1094	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R1095	ERJ6GEYJ474	S.M.CARB	0.1W	5% 470KΩ
R1116	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ
R1117	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ
R1120	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1121	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R1122	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R1123	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R1124	ERJ6GEYJ151	S.M.CARB	0.1W	5% 150Ω
R1125	ERJ6GEYJ151	S.M.CARB	0.1W	5% 150Ω
R1126	ERQ14AJ100	METAL	0.25W	5% 10Ω ⚠
R1127	ERJ6GEY0R00	WIRE LINK		
R1131	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1132	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1133	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1151	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R1152	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ
R1153	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ

Ref No.	Part No.	Description		
R1156	ERJ6GEYJ470	S.M.CARB	0.1W	5% 47Ω
R1158	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1159	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R1161	ERJ6GEYJ682	S.M.CARB	0.1W	5% 6K8Ω
R1162	ERJ6GEYJ333	S.M.CARB	0.1W	5% 33KΩ
R1163	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R1166	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1167	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1168	ERJ6GEYJ680	S.M.CARB	0.1W	5% 68Ω
R1169	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R1171	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R1172	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R1173	ERJ6GEYJ151	S.M.CARB	0.1W	5% 150Ω
R1174	ERJ6GEYJ151	S.M.CARB	0.1W	5% 150Ω
R1177	ERJ6GEYJ561	S.M.CARB	0.1W	5% 560Ω
R1178	ERQ14AJ100	METAL	0.25W	5% 10Ω ⚠
R1181	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1182	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1183	ERJ6GEYJ680	S.M.CARB	0.1W	5% 68Ω
R1184	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1185	ERJ6GEYJ151	S.M.CARB	0.1W	5% 150Ω
R1191	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1192	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1193	ERJ6GEYJ680	S.M.CARB	0.1W	5% 68Ω
R1194	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1195	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R1221	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ
R1222	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ
R1225	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1237	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1241	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R1242	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R1251	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R1261	ERJ6GEY0R00	WIRE LINK		
R1263	ERJ8GEYJ104	S.M.CAR	0.125W	5% 100KΩ
R1264	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ
R1266	ERJ6GEYJ680	S.M.CARB	0.1W	5% 68Ω
R1267	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1268	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1269	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R1270	ERJ6GEYJ470	S.M.CARB	0.1W	5% 47Ω
R1271	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R1272	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R1273	ERJ6GEYJ470	S.M.CARB	0.1W	5% 47Ω
R1276	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ
R1277	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ
R1281	ERJ6GEYJ153	S.M.CARB	0.1W	5% 15KΩ
R1282	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1283	ERJ6GEYJ153	S.M.CARB	0.1W	5% 15KΩ
R1284	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1349	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ
R1381	ERJ6GEYJ223	S.M.CARB	0.1W	5% 22KΩ
R1382	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ
R1386	ERJ6GEY0R00	WIRE LINK		
R1412	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R1464	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1465	ERJ6GEYJ183	S.M.CARB	0.1W	5% 18KΩ
R1466	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω
R1467	ERJ6GEY0R00	WIRE LINK		
R1474	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1476	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω
R1477	ERJ6GEY0R00	WIRE LINK		
R1484	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1486	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω
R1487	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R1494	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1496	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω
R1497	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R1608	ERJ6GEY0R00	WIRE LINK		
R1612	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω

Ref No.	Part No.	Description			
R1613	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω
R1614	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R1615	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R1616	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω
R1617	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33KΩ
R1618	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω
R1619	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω
R1621	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1622	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1623	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ
R1624	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33KΩ
R1626	ECUV1H151JCX	S.M.CAP	50V	150pF	
R1627	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R1630	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1631	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R1632	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω
R1633	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1634	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω
R1636	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R1637	ERJ8GEYJ471	S.M.CAR	0.125W	5%	470Ω
R1641	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820Ω
R1642	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω
R1643	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1644	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω
R1646	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R1647	ERJ8GEYJ471	S.M.CAR	0.125W	5%	470Ω
R1652	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω
R1653	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1654	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω
R1656	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R1657	ERJ8GEYJ471	S.M.CAR	0.125W	5%	470Ω
R1661	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1664	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1666	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1667	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R1669	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1670	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1671	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1672	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1673	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1674	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1680	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R1681	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1682	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1683	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1684	ERJ6GEY0R00	WIRE LINK			
R1691	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R1692	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R1693	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R1694	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R1696	ERJ8GEYJ103	S.M.CAR	0.125W	5%	10KΩ
R1698	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1717	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1718	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1719	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1753	ERJ6GEY0R00	WIRE LINK			
R1807	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R1808	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1809	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1811	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1812	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1815	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1816	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1819	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1821	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1822	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω
R1823	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1824	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1825	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1826	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ
R1827	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KΩ

Ref No.	Part No.	Description			
R1828	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1829	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1831	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω
R1832	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1837	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1838	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R1840	ERJ6GEY0R00	WIRE LINK			
R1842	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1843	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1844	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1845	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R1847	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1849	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1850	ERJ6GEY0R00	WIRE LINK			
R1851	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1856	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1857	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1858	ERJ8GEYJ103	S.M.CAR	0.125W	5%	10KΩ
R1859	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1863	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1872	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1873	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1878	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1879	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1882	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1884	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R1885	ERJ8GEY0R00	WIRE LINK			
R1886	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R1887	ERJ6GEY0R00	WIRE LINK			
R1888	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1889	ERJ8GEY0R00	WIRE LINK			
R1893	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1897	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1920	ERJ8GEYJ223	S.M.CAR	0.125	5%	22KΩ
R1921	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1922	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R1925	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R1933	ERJ6GEY0R00	WIRE LINK			
R1941	ERJ6GEY0R00	WIRE LINK			
R1953	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1957	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1958	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1959	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1961	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1962	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1963	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1964	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1983	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1993	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R2601	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R2602	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2603	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R2604	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R2605	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2606	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R2607	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2608	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R2609	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2610	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2612	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2613	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2616	ERJ6GEY0R00	WIRE LINK			
R2617	ERJ6GEY0R00	WIRE LINK			
R2619	ERJ6GEY0R00	WIRE LINK			
R2620	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2621	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2622	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2623	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω
R2624	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2625	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω
R2626	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω

Ref No.	Part No.	Description		
R2627	ERJ6GEYJ332	S.M.CARB	0.1W	5% 3K3Ω
R2628	ERJ6GEY0R00	WIRE LINK		
R2631	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R2632	ERJ6GEY0R00	WIRE LINK		
R2633	ERJ6GEY0R00	WIRE LINK		
R2634	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R2636	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R2637	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R2638	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R2639	ERJ6GEYJ754	S.M.CARB	0.1W	5% 750KΩ
R2640	ERJ6GEYJ121	S.M.CARB	0.1W	5% 120Ω
R2641	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R2642	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ
R2643	ERJ6GEYJ333	S.M.CARB	0.1W	5% 33KΩ
R2644	ERJ6GEYJ152	S.M.CARB	0.1W	5% 1K5Ω
R2645	ERJ6GEYJ821	S.M.CARB	0.1W	5% 820Ω
R2646	ERJ6GEYJ821	S.M.CARB	0.1W	5% 820Ω
R2647	ERJ6GEYJ152	S.M.CARB	0.1W	5% 1K5Ω
R2648	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R2651	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R2652	ERJ6GEYJ681	S.M.CARB	0.1W	5% 680Ω
R2653	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R2654	ERJ6GEYJ681	S.M.CARB	0.1W	5% 680Ω
R2655	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ
R2656	ERJ6GEYJ221	S.M.CARB	0.1W	5% 220Ω
R2658	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ
R2659	ERJ6GEYJ221	S.M.CARB	0.1W	5% 220Ω
R2660	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ
R2662	ERJ6GEYJ152	S.M.CARB	0.1W	5% 1K5Ω
R2664	ERJ6GEYJ335	S.M.CARB	0.1W	5% 3M3Ω
R2665	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω
R2666	ERJ6GEY0R00	WIRE LINK		
R2667	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω
R2668	ERJ6GEYJ472	S.M.CARB	0.1W	5% 4K7Ω
R2669	ERJ6GEYJ271	S.M.CARB	0.1W	5% 270Ω
R2670	ERJ6GEYJ511	S.M.CARB	0.1W	5% 510Ω
R2671	ERJ6GEYJ272	S.M.CARB	0.1W	5% 2K7Ω
R2672	ERJ6GEYJ822	S.M.CARB	0.1W	5% 8K2Ω
R2673	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R2675	ERJ6GEYJ562	S.M.CARB	0.1W	5% 5K6Ω
R2676	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R2677	ERJ6GEYJ681	S.M.CARB	0.1W	5% 680Ω
R2680	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3101	ERJ6GEYJ562	S.M.CARB	0.1W	5% 5K6Ω
R3102	ERJ6GEYJ562	S.M.CARB	0.1W	5% 5K6Ω
R3103	ERJ6GEYJ562	S.M.CARB	0.1W	5% 5K6Ω
R3104	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3106	ERJ6GEYJ563	S.M.CARB	0.1W	5% 56KΩ
R3107	ERJ6GEYJ472	S.M.CARB	0.1W	5% 4K7Ω
R3108	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R3109	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R3111	ERDS1FYJ222	CARBON	0.5W	5% 2K2Ω ⚠
R3112	ERJ6GEYJ152	S.M.CARB	0.1W	5% 1K5Ω
R3113	ERD25TJ681	CARBON	0.25W	5% 680Ω
R3121	ERJ6GEYJ153	S.M.CARB	0.1W	5% 15KΩ
R3122	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω
R3123	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R3124	ERJ6GEYJ681	S.M.CARB	0.1W	5% 680Ω
R3126	ERJ6GEYJ122	S.M.CARB	0.1W	5% 1K2Ω
R3127	ERQ14AJ100	METAL	0.25W	5% 10Ω ⚠
R3128	ERQ14AJ820	METAL	0.25W	5% 82Ω ⚠
R3129	ERQ14AJ820	METAL	0.25W	5% 82Ω ⚠
R3130	ERJ6GEYJ100	S.M.CARB	0.1W	5% 10Ω
R3131	ERD25TJ563	CARBON	0.25W	5% 56KΩ
R3132	ERD25TJ122	CARBON	0.25W	5% 1K2Ω
R3133	ERD25TJ2R7	CARBON	0.25W	5% 2R7Ω
R3134	ERDS1FVJ390	CARBON	0.5W	5% 39Ω ⚠
R3135	ERJ6GEYJ100	S.M.CARB	0.1W	5% 10Ω
R3136	ERD25TJ563	CARBON	0.25W	5% 56KΩ
R3137	ERD25TJ122	CARBON	0.25W	5% 1K2Ω

Ref No.	Part No.	Description		
R3138	ERD25TJ2R7	CARBON	0.25W	5% 2R7Ω
R3139	ERDS1FVJ390	CARBON	0.5W	5% 39Ω ⚠
R3141	ERDS1FYJ101	CARBON	0.5W	5% 100Ω ⚠
R3142	ERJ6GEYJ472	S.M.CARB	0.1W	5% 4K7Ω
R3143	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω
R3144	ERJ6GEYJ681	S.M.CARB	0.1W	5% 680Ω
R3146	ERDS1FYJ181	CARBON	0.5W	5% 180Ω ⚠
R3152	ERQ12HJ102	METAL	0.5W	5% 1KΩ ⚠
R3153	ERQ14AJ3R9	FUSIBLE	0.25W	5% 3R9Ω ⚠
R3160	ERJ6GEYJ100	S.M.CARB	0.1W	5% 10Ω
R3161	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3162	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3163	ERJ6GEYJ332	S.M.CARB	0.1W	5% 3K3Ω
R3164	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R3166	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R3167	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R3168	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3169	ERJ6GEYJ122	S.M.CARB	0.1W	5% 1K2Ω
R3170	ERJ6GEYJ100	S.M.CARB	0.1W	5% 10Ω
R3171	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3172	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3173	ERJ6GEYJ332	S.M.CARB	0.1W	5% 3K3Ω
R3174	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R3176	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R3177	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R3178	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3179	ERJ6GEYJ122	S.M.CARB	0.1W	5% 1K2Ω
R3180	ERJ6GEYJ100	S.M.CARB	0.1W	5% 10Ω
R3181	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3182	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3183	ERJ6GEYJ332	S.M.CARB	0.1W	5% 3K3Ω
R3184	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R3186	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R3187	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R3188	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3189	ERJ6GEYJ122	S.M.CARB	0.1W	5% 1K2Ω
R3307	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R3308	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R3309	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R3354	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ
R3358	ERJ6GEYJ100	S.M.CARB	0.1W	5% 10Ω
R3359	ERJ6GEYJ472	S.M.CARB	0.1W	5% 4K7Ω
R3361	ERQ12HKR68	FUSIBLE	0.5W	10% R68Ω ⚠
R3362	ERC12GK105D	SOLID	0.5W	10% 1MΩ
R3364	ERC12GK821D	SOLID	0.5W	10% 820Ω
R3365	ERD25TJ220	CARBON	0.25W	5% 22Ω
R3366	ERQ12AJ101	FUSIBLE	0.5W	5% 100Ω ⚠
R3367	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3368	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R3369	ERJ6GEYJ682	S.M.CARB	0.1W	5% 6K8Ω
R3370	ERJ6GEYJ100	S.M.CARB	0.1W	5% 10Ω
R3371	ERJ6GEYJ272	S.M.CARB	0.1W	5% 2K7Ω
R3372	ERJ6GEYJ332	S.M.CARB	0.1W	5% 3K3Ω
R3373	ERJ6GEYJ152	S.M.CARB	0.1W	5% 1K5Ω
R3374	ERDS1TJ913	CARBON	0.5W	5% 91KΩ
R3375	ERG2ANJ183	METAL	2W	5% 18KΩ
R3376	ERD25TJ561	CARBON	0.25W	5% 560Ω
R3377	ERJ6GEY0R00	WIRE LINK		
R3378	ERC12GK821D	SOLID	0.5W	10% 820Ω
R3379	ERD25TJ103	CARBON	0.25W	5% 10KΩ
R3380	ERJ6GEYJ100	S.M.CARB	0.1W	5% 10Ω
R3381	ERJ6GEYJ272	S.M.CARB	0.1W	5% 2K7Ω
R3382	ERJ6GEYJ332	S.M.CARB	0.1W	5% 3K3Ω
R3383	ERJ6GEYJ152	S.M.CARB	0.1W	5% 1K5Ω
R3384	ERDS1TJ913	CARBON	0.5W	5% 91KΩ
R3385	ERG2ANJ183	METAL	2W	5% 18KΩ
R3386	ERD25TJ561	CARBON	0.25W	5% 560Ω
R3388	ERC12GK821D	SOLID	0.5W	10% 820Ω
R3389	ERD25TJ103	CARBON	0.25W	5% 10KΩ

Ref No.	Part No.	Description			
R3390	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω
R3391	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7Ω
R3392	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω
R3393	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R3394	ERDS1TJ913	CARBON	0.5W	5%	91KΩ
R3395	ERG2ANJ183	METAL	2W	5%	18KΩ
R3396	ERD25TJ561	CARBON	0.25W	5%	560Ω
R3398	ERC12GK821D	SOLID	0.5W	10%	820Ω
R3399	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R4701	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R4702	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R4703	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R4705	ERJ6GEY0R00	WIRE LINK			
R4707	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68KΩ
R4708	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R4709	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R4710	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R4711	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω
R4713	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R4714	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R4715	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820Ω
R4716	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R4717	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω
R4718	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R4719	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ
R4720	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8Ω
R4721	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω
R4740	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820Ω
R4743	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8Ω
R4744	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R4745	ERJ6GEY0R00	WIRE LINK			
R4746	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R4747	ERJ6GEY0R00	WIRE LINK			
R4748	ERJ6GEY0R00	WIRE LINK			
R4750	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R4751	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ
R4752	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R4753	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120Ω
R4754	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270Ω
R4755	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R4756	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω
R4757	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8Ω
R4758	ERJ6GEY0R00	WIRE LINK			
R4759	ERJ6GEY0R00	WIRE LINK			
R4760	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R4771	ERJ6GEY0R00	WIRE LINK			
R4772	ERJ6GEY0R00	WIRE LINK			
R6102	ERD25TJ151	CARBON	0.25W	5%	150Ω
R6111	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R6112	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R6113	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R6114	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R6301	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R6302	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R6305	ERJ6GEY0R00	WIRE LINK			
R6401	ERD25TJ220	CARBON	0.25W	5%	22Ω
R6402	ERD25TJ220	CARBON	0.25W	5%	22Ω
R6403	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ

Ref No.	Part No.	Description			
R6404	ERJ6GEY0R00	WIRE LINK			
R6405	ERJ6GEY0R00	WIRE LINK			
R6406	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R6407	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R6408	ERJ6GEY0R00	WIRE LINK			
R6411	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R6412	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27KΩ
R6413	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R6416	ERD25TJ101	CARBON	0.25W	5%	100Ω
R6417	ERD25TJ101	CARBON	0.25W	5%	100Ω
R6418	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω
R6433	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R6436	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R6437	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R6438	ERJ6GEY0R00	WIRE LINK			
R6441	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R6442	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27KΩ
R6443	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R6446	ERD25TJ101	CARBON	0.25W	5%	100Ω
R6447	ERD25TJ101	CARBON	0.25W	5%	100Ω
R6448	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω
R6811	ERC12ZGK335D	SOLID	0.5W	10%	3M3Ω

SWITCHES

S6304	EVQQBH12G	SWITCH	
S6305	EVQQBH12G	SWITCH	
S6306	EVQQBH12G	SWITCH	
S6307	EVQQBH12G	SWITCH	
S6308	EVQQBH12G	SWITCH	
S6811	ESB91232A	SWITCH	⚠

TRANSFORMERS

T528	5270103200	TRANSFORMER	
T531	ZTFH65007A	F.B.T.	⚠
T639	ETS39AH117AA	TRANSFORMER	⚠
T6101	BV030−7395.0	TRANSFORMER	

CONNECTORS

W1951	MKS165810808	CONNECTOR

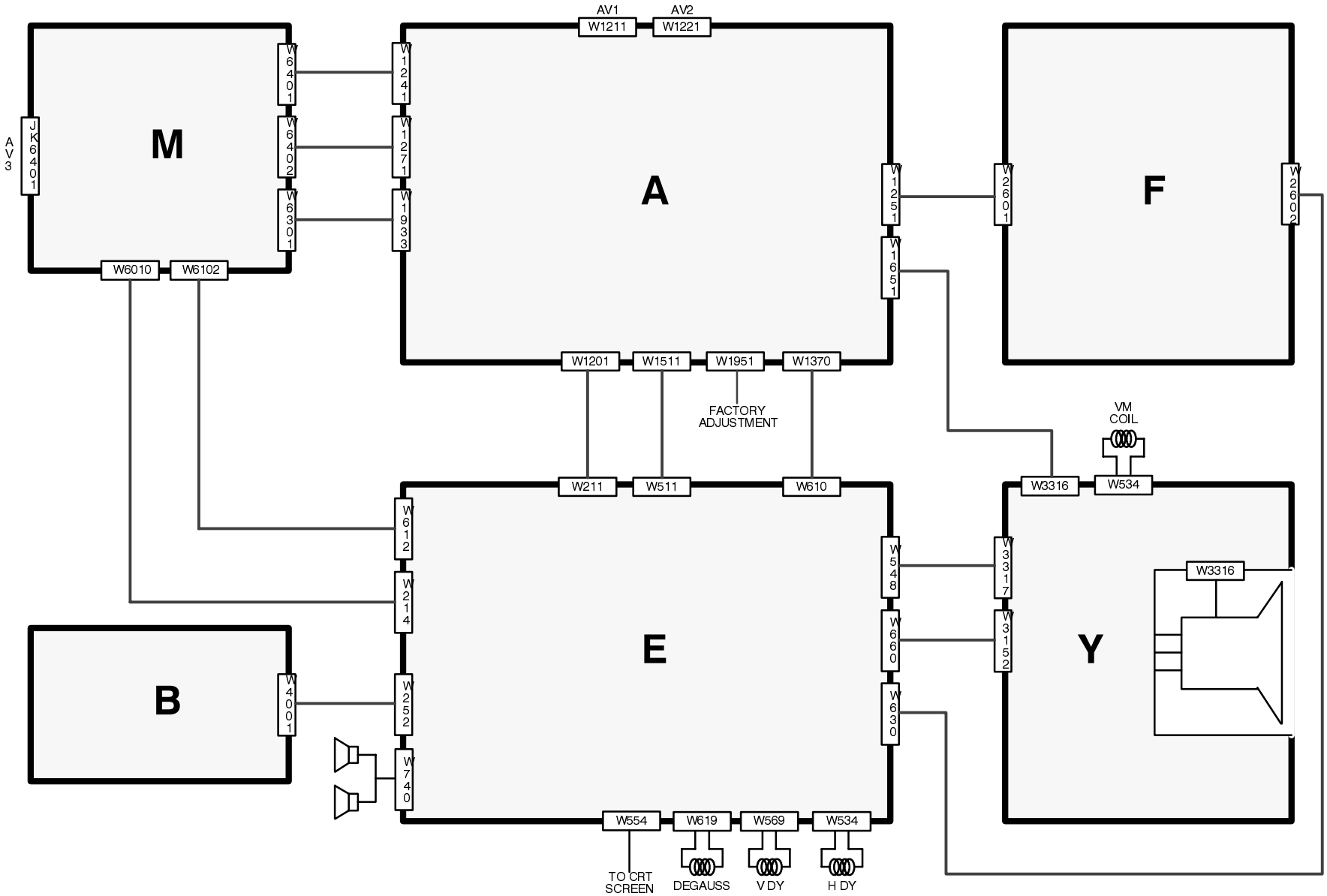
FILTERS

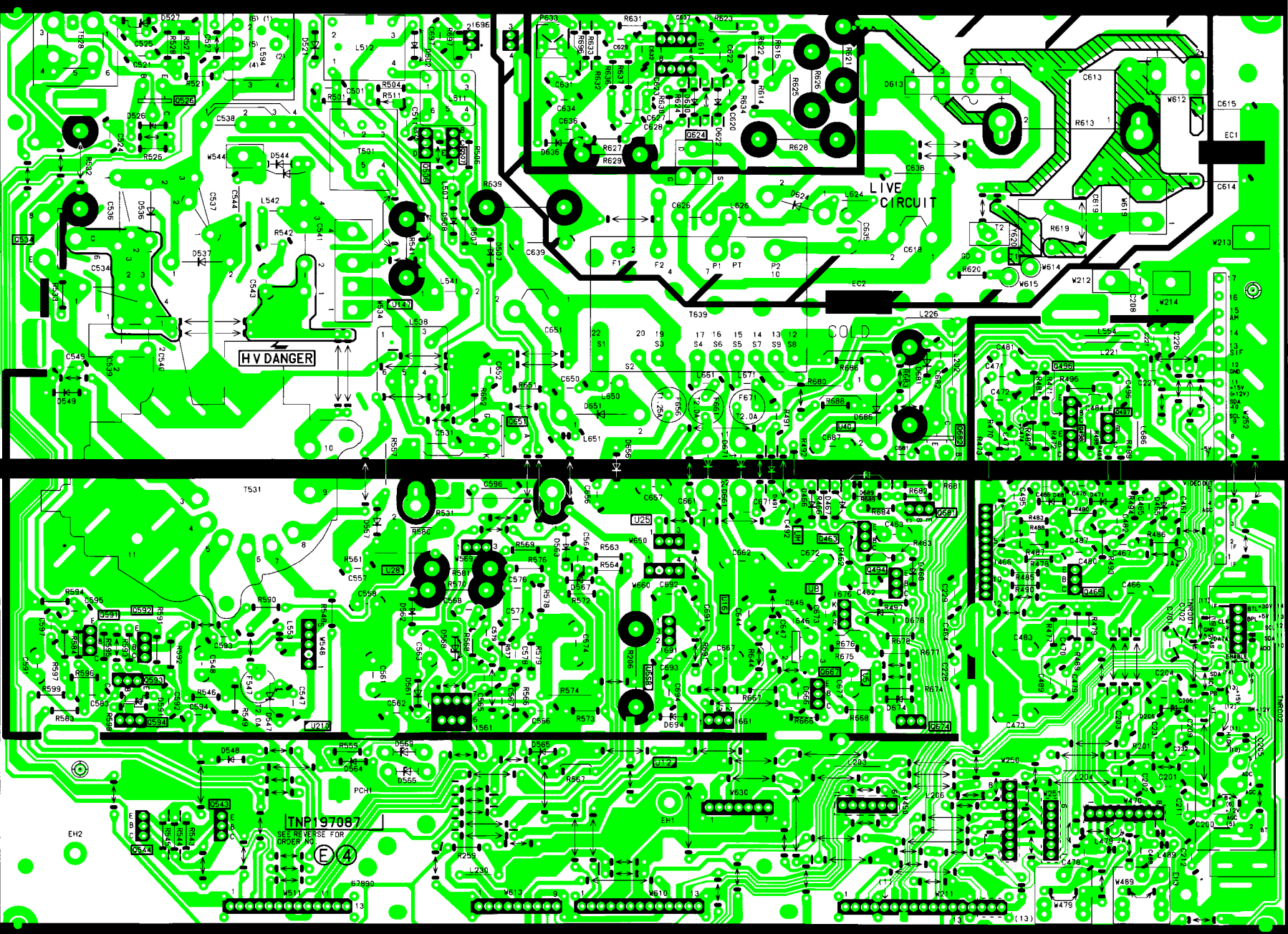
X1321	TSS4004−B	CRYSTAL
X1608	TSS2169−B	CRYSTAL
X1854	TSS4007−B	CRYSTAL
X2651	TAFCSB503F35	CRYSTAL
X2652	TSS4006−B	CRYSTAL (10082031)
X4703	EFCV3095A6	CHIP FILTER
X4704	G3355K	SAW FILTER
X4706	EFCS5M7MW3	CERAMIC FILTER

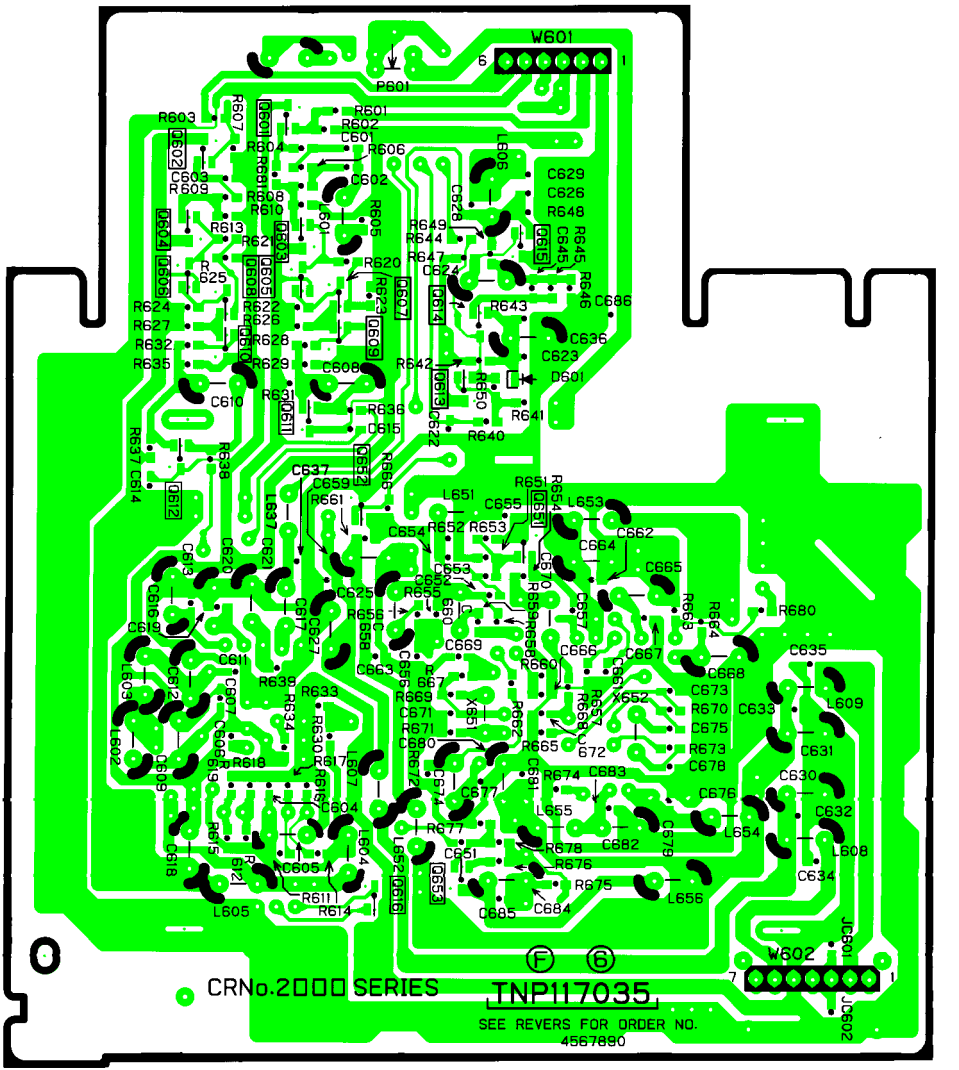
Ref No.	Part No.	Description	
DIFFERENCES FOR TX–28XD1E			
MISCELLANEOUS COMPONENTS			
2)	TKU8E00170	REAR COVER	⚠
3)	TKY8E038	CABINET	⚠
4)	A66EAK252X21	C.R.T.	⚠
6)	TLK8E05116	DEGAUSS COIL	
10)	TNP117034AR	A P.C.B.	⚠
15)	TKP8E1124	SPEAKER NET	
17)	TBM8E1462	MODEL LABEL	
	TPC8E4464	OUTER CARTON	
INTEGRATED CIRCUITS			
I1941	X24C16P–E1E	EAROM	

Ref No.	Part No.	Description	
DIFFERENCES FOR TX–25XD1E			
MISCELLANEOUS COMPONENTS			
2)	TKU8E00160	REAR COVER	⚠
3)	TKY8E037	CABINET	⚠
4)	A59EAK252X21	C.R.T.	⚠
6)	TLK8E05115	DEGAUSS COIL	
10)	TNP117034AE	A P.C.B.	⚠
15)	TKP8E1121	SPEAKER NET	
17)	TBM8E1461	MODEL LABEL	
	TPC8E4461	OUTER CARTON	
INTEGRATED CIRCUITS			
I1941	X24C16P–D1E	EAROM	

WIRING BLOCK DIAGRAM




LIVE
CIRCUIT
COLD
HV DANGER
TNP197087
SEE REVERSE FOR
ORDER NO.


W601
P601
W602
JC601
JC602
CRNo.2□□□ SERIES
TNP117035
SEE REVERS FOR ORDER NO.
4567890
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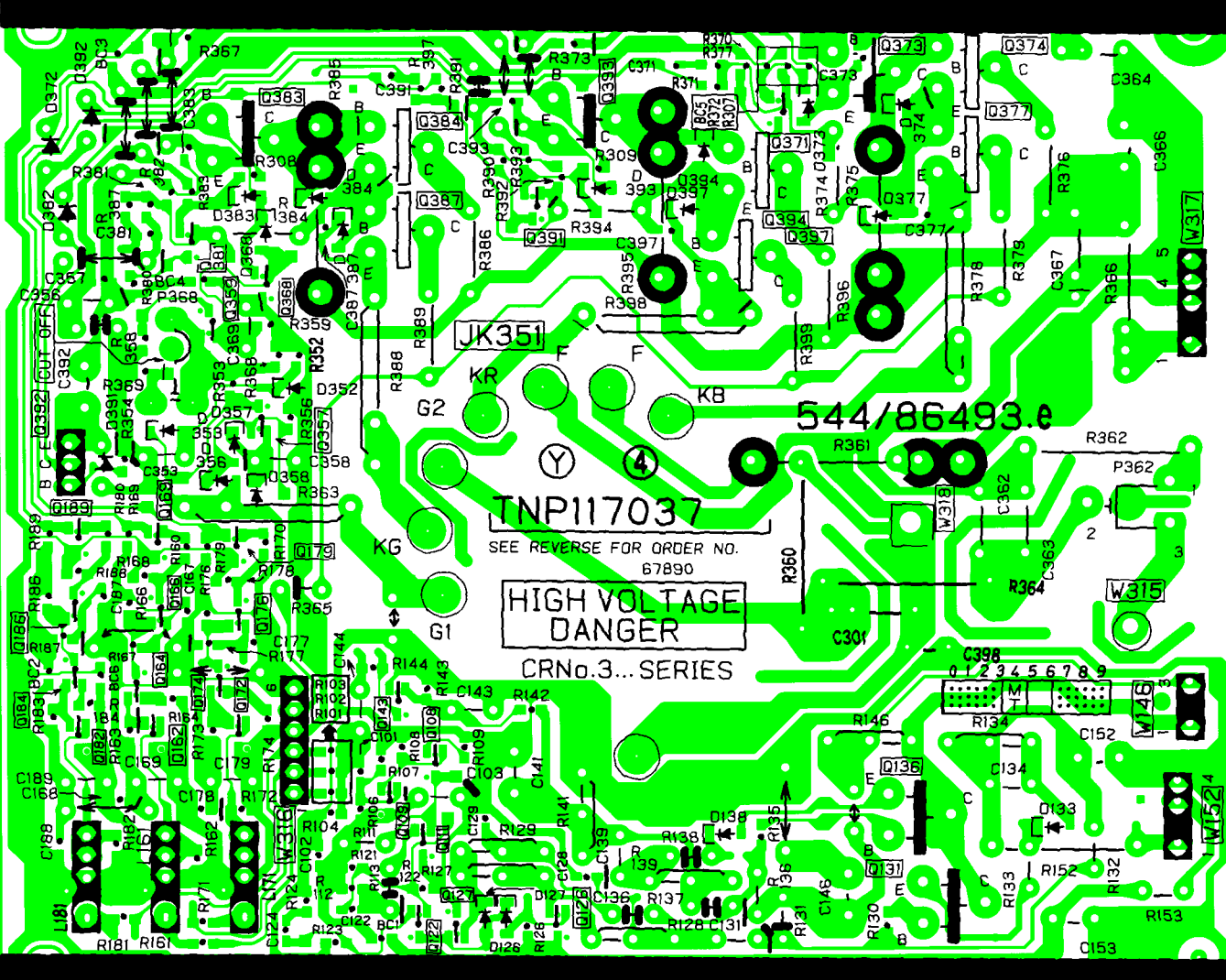
JK351
KR
G2
KB
KG
G1
544/86493.e
TNP117037
SEE REVERSE FOR ORDER NO.
67890
HIGH VOLTAGE
DANGER
CRNo.3... SERIES
R367
R373
R361
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C301
C398
W317
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W315
W146
W152
P362
P368
R362
R364
R134
R146
C152
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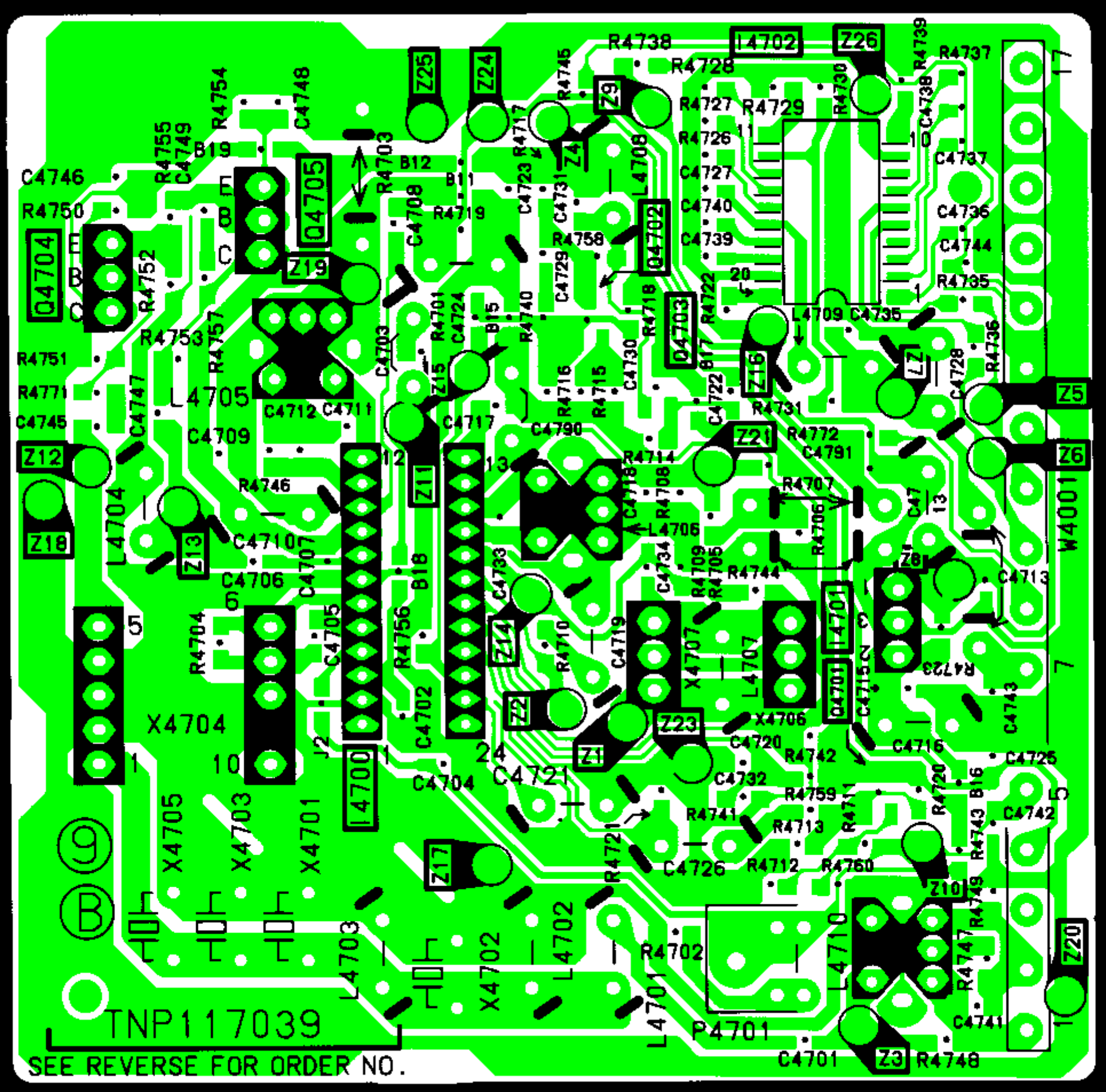
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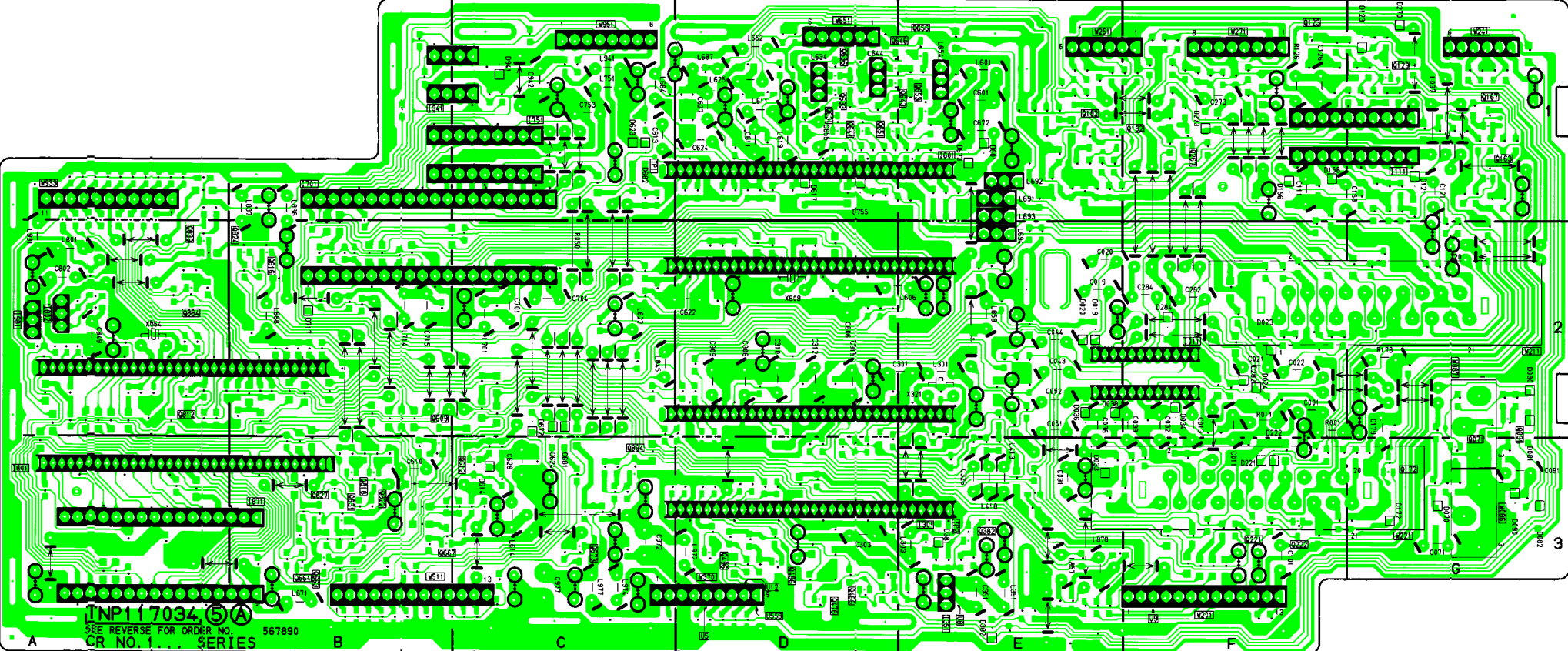
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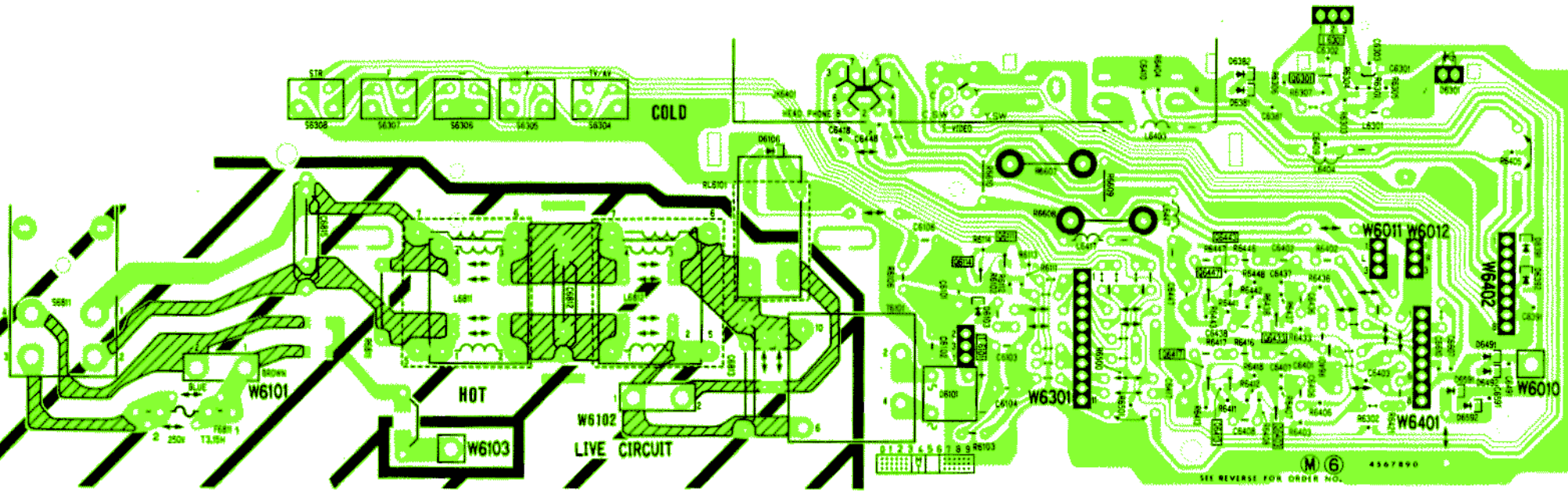
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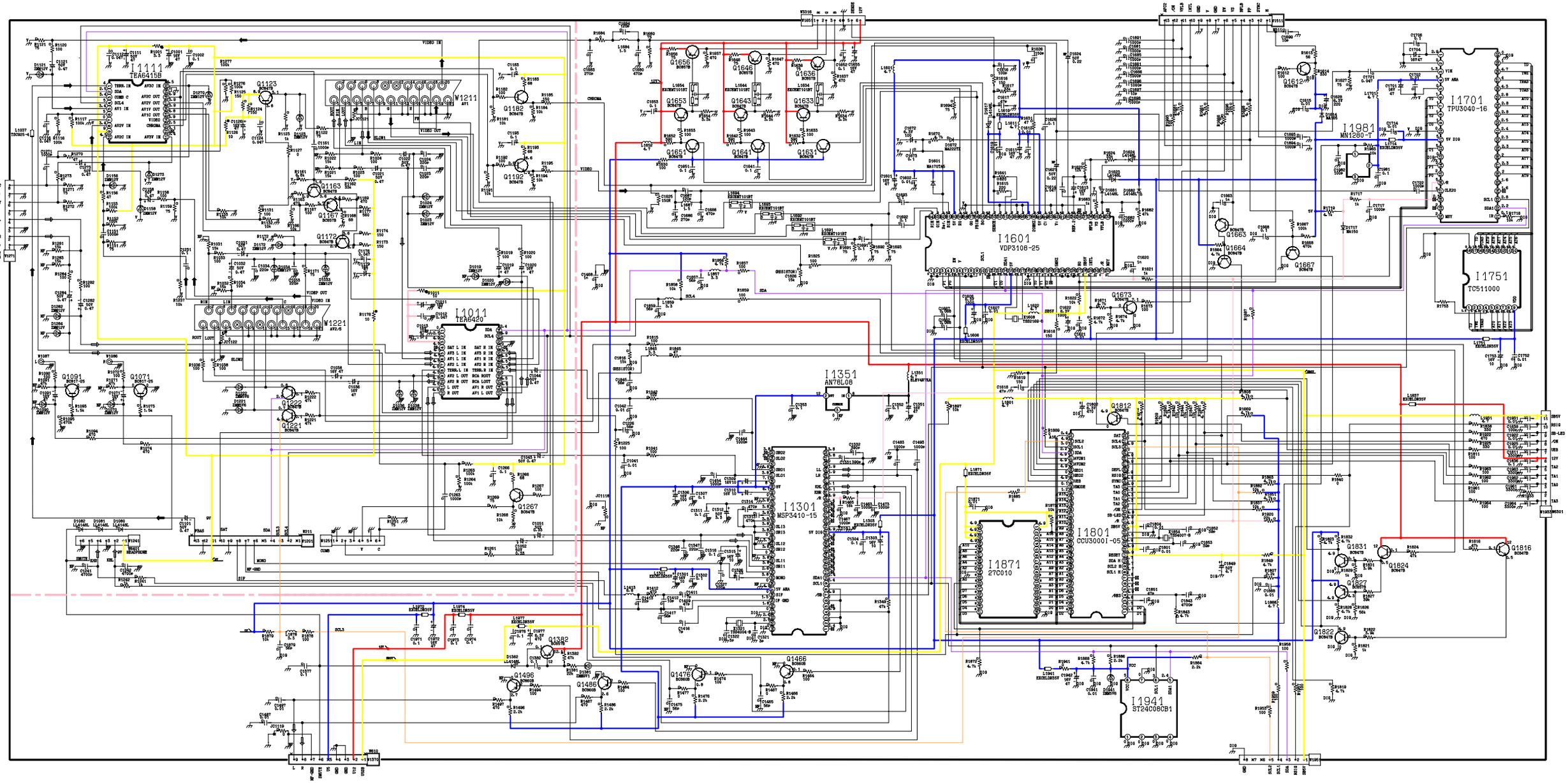
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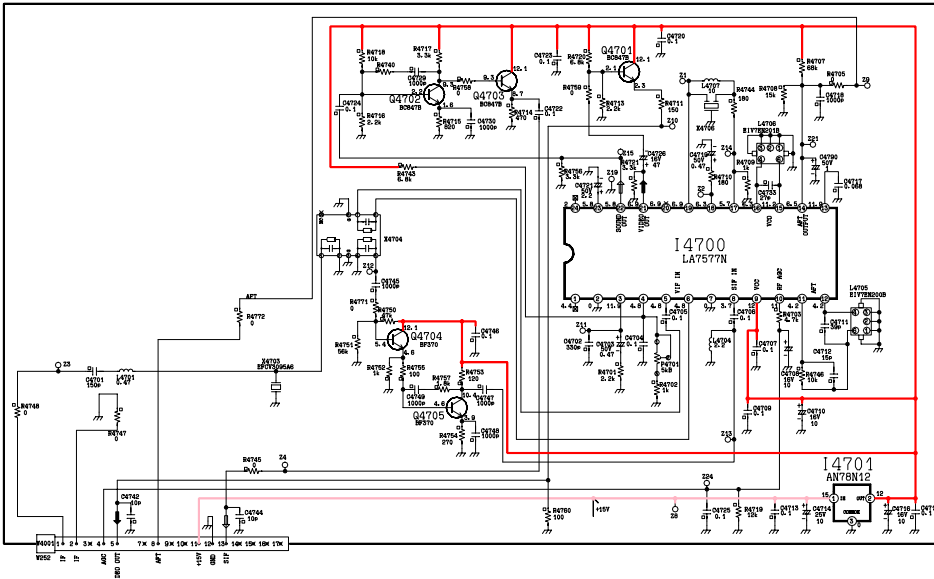
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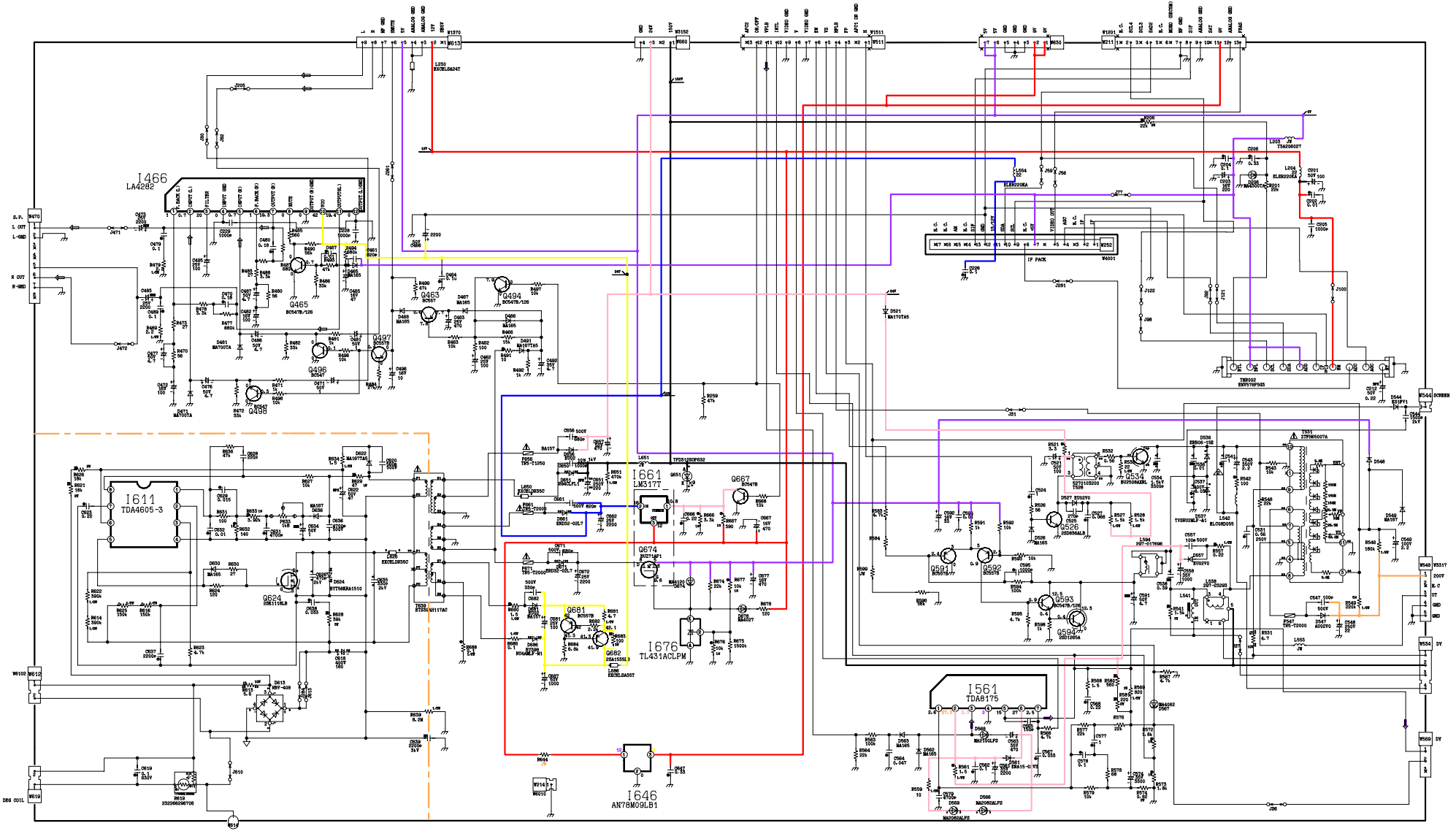
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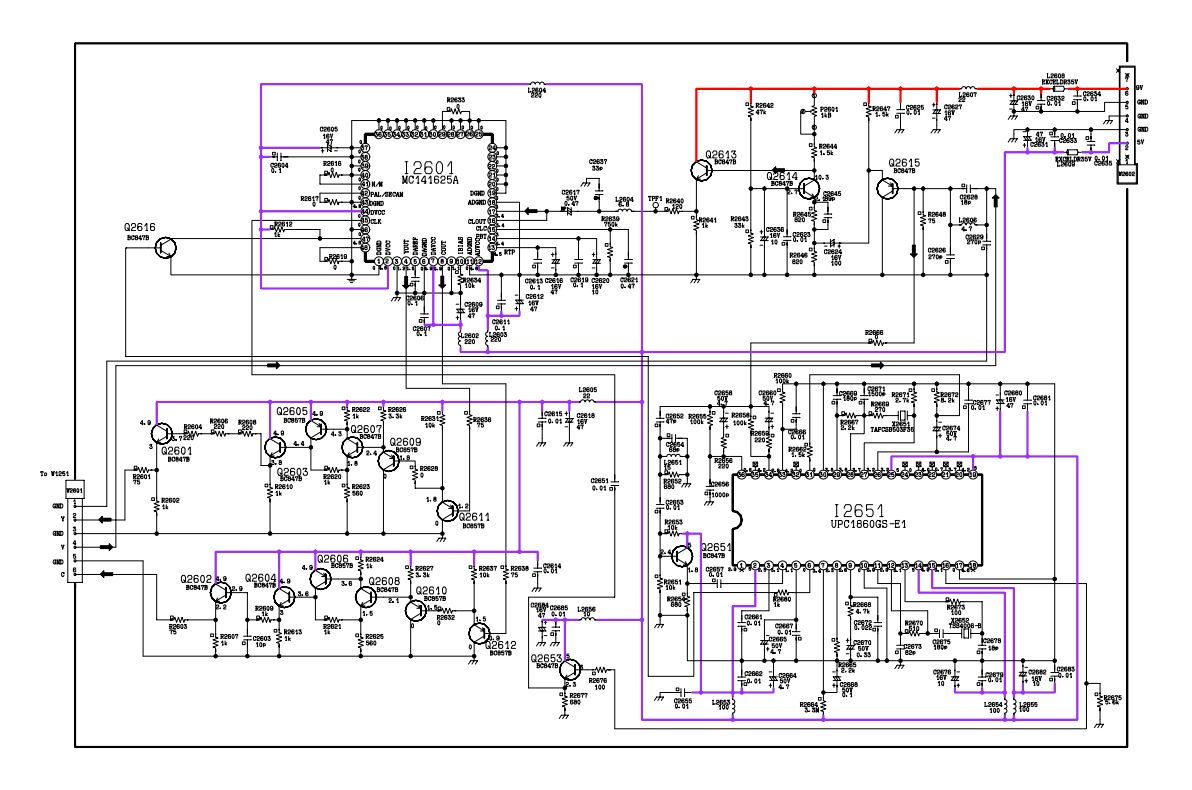
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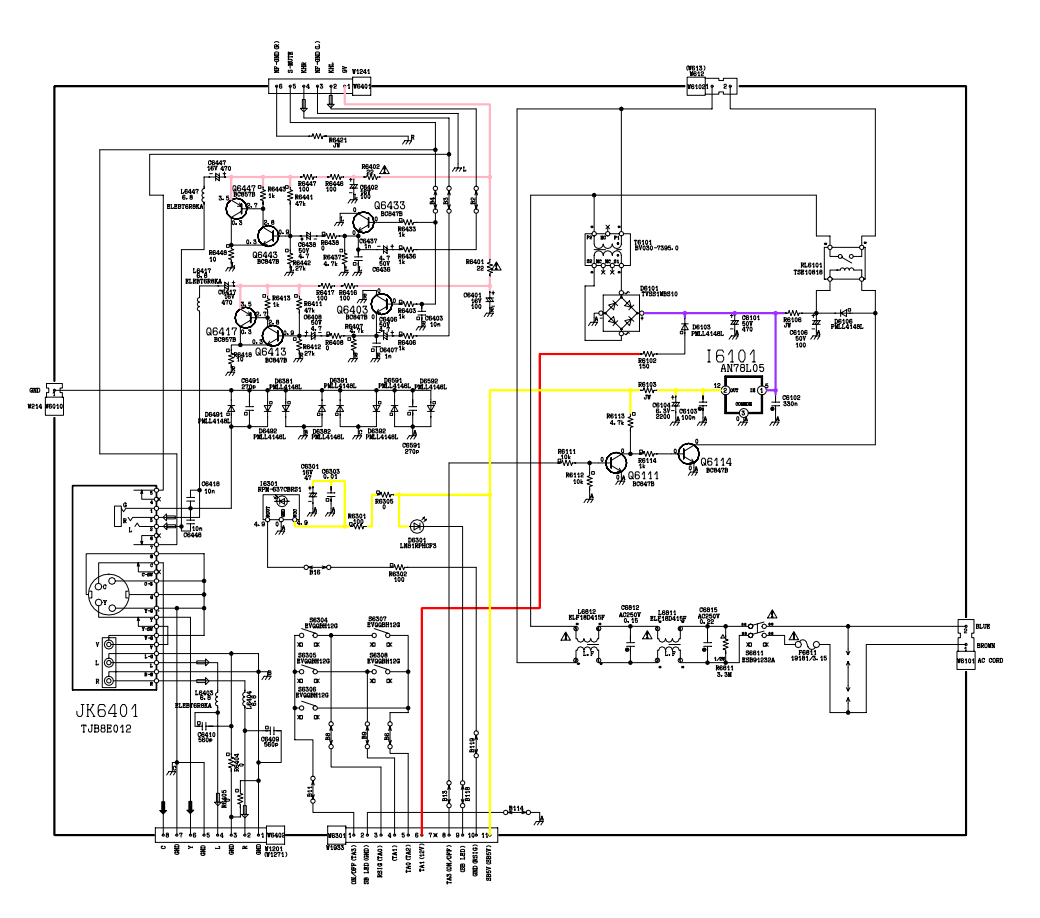
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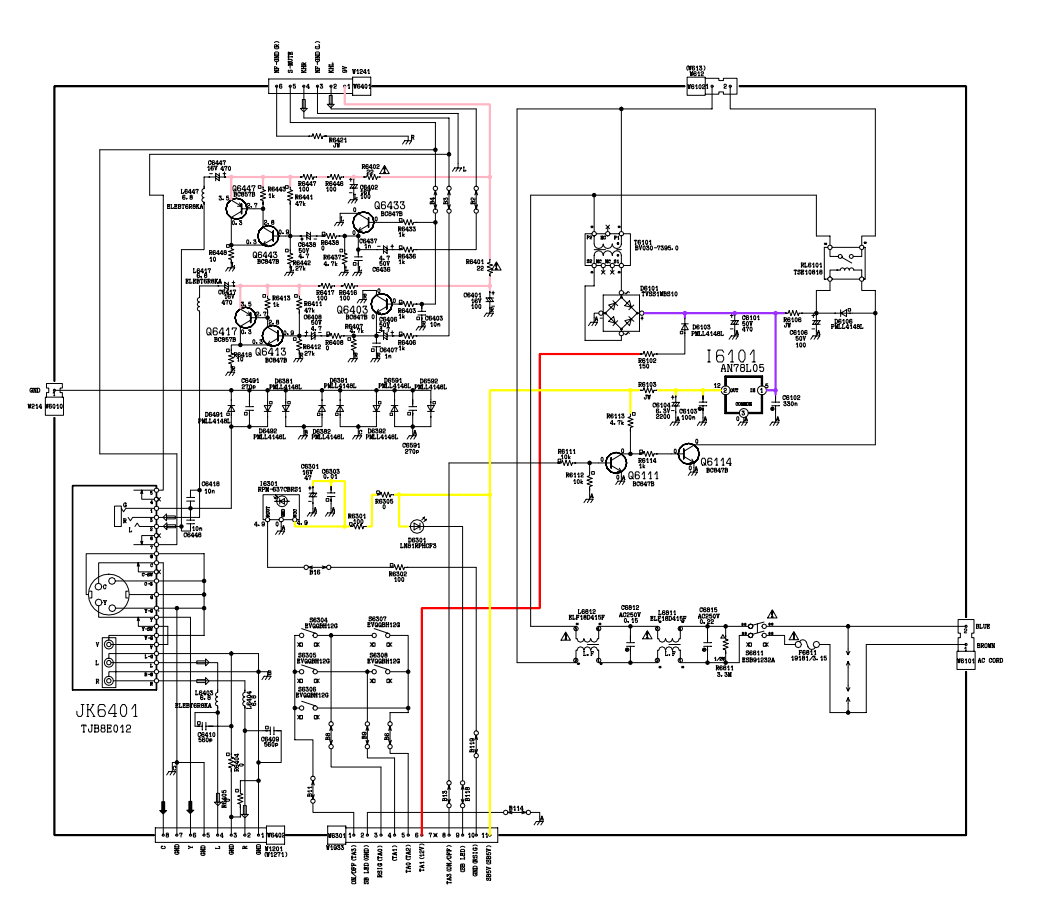
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